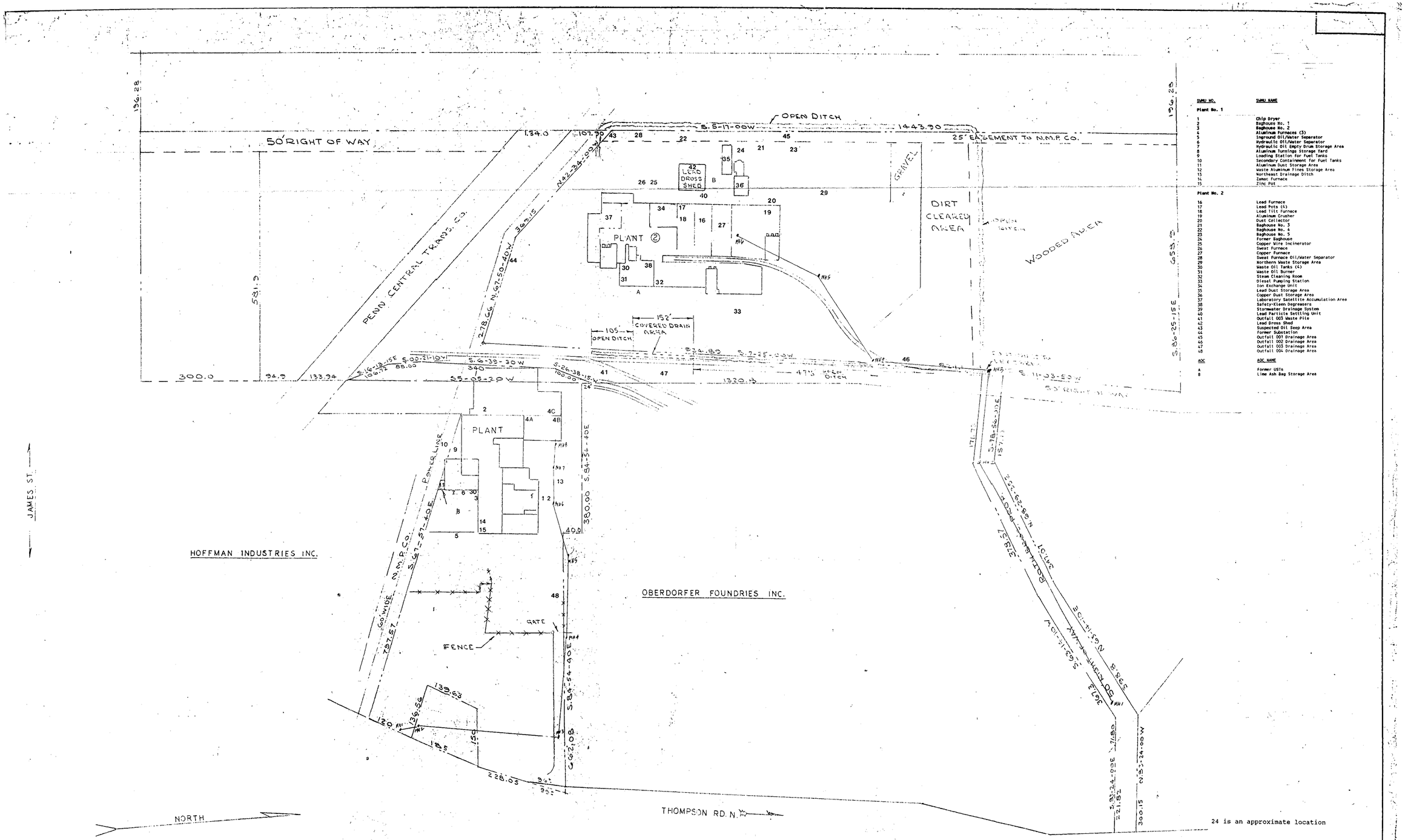
report.1991-10-08.EPA_RFA-2

Attachment C

SWMU/AOC Location Map



SWMU NO.	SWMU NAME
Plant No. 1	
1	Chip Dryer
2	Baghouse No. 1
3	Baghouse No. 2
4	Aluminum Furnaces (3)
5	Inground Oil/Water Separator
6	Hydraulic Oil/Water Separator
7	Hydraulic Oil Empty Drum Storage Area
8	Aluminum Turnings Storage Yard
9	Loading Station for Fuel Tanks
10	Secondary Containment for Fuel Tanks
11	Aluminum Dust Storage Area
12	Waste Aluminum Fines Storage Area
13	Northeast Drainage Ditch
14	Zamac Furnace
15	Zinc Pot
Plant No. 2	
16	Lead Furnace
17	Lead Pots (5)
18	Lead Tilt Furnace
19	Aluminum Crusher
20	Dust Collector
21	Baghouse No. 3
22	Baghouse No. 4
23	Baghouse No. 5
24	Former Baghouse
25	Copper Wire Incinerator
26	Sweat Furnace
27	Copper Furnace
28	Sweat Furnace Oil/Water Separator
29	Northern Waste Storage Area
30	Waste Oil Tanks (4)
31	Waste Oil Burner
32	Steam Cleaning Room
33	Diesel Pumping Station
34	Ion Exchange Unit
35	Lead Dust Storage Area
36	Copper Dust Storage Area
37	Laboratory Satellite Accumulation Area
38	Safety-Kleen Degreasers
39	Stormwater Drainage System
40	Lead Particle Settling Unit
41	Outfall 003 Waste Pile
42	Lead Dross Shed
43	Suspected Oil Seep Area
44	Former Substation
45	Outfall 001 Drainage Area
46	Outfall 002 Drainage Area
47	Outfall 003 Drainage Area
48	Outfall 004 Drainage Area

AOC	AOC NAME
A	Former USTs
B	Lime Ash Bag Storage Area

ROTH BROS SMELTING CO.
SYRACUSE, N.Y.

SCALE 1" = 100'-0" | APPROVED BY | DRAWN BY R.E.M.
DATE 5-25-84

PLOT PLAN/PROPERTY LINES, BLDG'S, & HAZARDOUS WASTE STORAGE

DRAWING NUMBER P-62

Attachment D

TCLP Analyses

Source: Reference 51

Al Baghouse Dust
TCLP Analyses

Upstate Laboratories, Inc.
Analysis Results
Report Number:
Client I.D.: ROTH BROS. SMELTING CORP.
Sampled by: ULI

APPROVAL:
QC: [illegible]
Lab I.D.: 10170
WEEKLY DUST
11-1-9,10,11 11/19/90 1405H G

ULI I.D.: 32590066 Matrix: Solid

	PARAMETERS	RESULTS	KEY
	pH	10.0SU	
	Flash Point	>60degC	
	Reactive Sulfide	<50mg/kg	
	Reactive Cyanide	<10mg/kg	
TCLP	Arsenic by furnace method	0.60mg/l	
TCLP	Barium	1.8mg/l	
TCLP	Cadmium	0.77mg/l	
TCLP	Chromium	0.41mg/l	
TCLP	Lead	4.1mg/l	
TCLP	Mercury	0.0004mg/l	
TCLP	Selenium by furnace method	0.11mg/l	
TCLP	Silver	0.06mg/l	
TCLP Semi-Volatiles			
TCLP	O-Cresol	<50ug/l	05
TCLP	M-Cresol	<50ug/l	05
TCLP	P-Cresol	<50ug/l	05
TCLP	Nitrobenzene	<50ug/l	05
TCLP	Pentachlorophenol	<100ug/l	05
TCLP	Pyridine	<100ug/l	05
TCLP	2,4,5-Trichlorophenol	<50ug/l	05
TCLP	2,4,6-Trichlorophenol	<[illegible]ug/l	05
TCLP	2,4-Dinitrotoluene	<[illegible]ug/l	05
TCLP	Hexachlorobenzene	<50ug/l	05
TCLP	Hexachlorobutadiene	<50ug/l	05
TCLP	Hexachloroethane	<50ug/l	05
TCLP Volatiles			
TCLP	Carbon Tetrachloride	<30ug/l	05
TCLP	Chlorobenzene	<30ug/l	05
TCLP	Methyl Ethyl Ketone	<100ug/l	05
TCLP	Tetrachloroethylene	<30ug/l	05
TCLP	Trichloroethylene	<30ug/l	05
TCLP	Benzene	<30ug/l	05
TCLP	Chloroform	<30ug/l	05
TCLP	1,2-Dichloroethane	<30ug/l	05
TCLP	1,1-Dichloroethylene	<30ug/l	05
TCLP	1,4-Dichlorobenzene	<30ug/l	05
TCLP	Vinyl Chloride	<30ug/l	05

All results are on an as received basis.

Source: Reference 51

DATE: 11/28/90

Chip Dryer - P1

Upstate Laboratories, Inc.
Analysis Results
Report Number: 112890006
Client I.D.: ROTH BROS. SMELTING CORP.
Sampled by: ULI

APPROVAL: AJS
QC: MF
Lab I.D.: 10170

WEEKLY DUST
02 9.10.11 10/09/90 0945H C

ULI I.D.: 28290034

Matrix: Solid

	PARAMETERS	RESULTS	KEY
	Corrosivity	11.0SU	
	Flash Point	>60degC	
	Reactive Sulfide	<250mg/kg	
	Reactive Cyanide	<1mg/kg	
TCLP	Arsenic by furnace method	<0.001mg/l	
TCLP	Barium	<0.3mg/l	
TCLP	Cadmium	<0.005mg/l	
TCLP	Chromium	<0.05mg/l	
TCLP	Lead	0.1mg/l	
TCLP	Mercury	<0.0004mg/l	
TCLP	Selenium by furnace method	0.002mg/l	27
TCLP	Silver	<0.05mg/l	
TCLP Herbicides			
TCLP	2,4-D	<100ug/l	
TCLP	2,4,5-TP	<100ug/l	
TCLP Pesticides			
TCLP	Chlordane	<30ug/l	
TCLP	Endrin	<20ug/l	
TCLP	Heptachlor	<8ug/l	
TCLP	Lindane	<20ug/l	
TCLP	Methoxychlor	<20ug/l	
TCLP	Toxaphene	<50ug/l	
TCLP	Heptachlor Epoxide	<8ug/l	
TCLP Semi-Volatiles			
TCLP	O-Cresol	<50ug/l	05
TCLP	M-Cresol	<50ug/l	05
TCLP	P-Cresol	<50ug/l	05
TCLP	Nitrobenzene	<50ug/l	05
TCLP	Pentachlorophenol	<100ug/l	05
TCLP	Pyridine	<100ug/l	05
TCLP	2,4,5-Trichlorophenol	<50ug/l	05
TCLP	2,4,6-Trichlorophenol	230ug/l	05
TCLP	2,4-Dinitrotoluene	<50ug/l	05
TCLP	Hexachlorobenzene	<50ug/l	05
TCLP	Hexachlorobutadiene	<50ug/l	05
TCLP	Hexachloroethane	<50ug/l	05
TCLP Volatiles			
TCLP	Carbon Tetrachloride	<30ug/l	05
TCLP	Chlorobenzene	<30ug/l	05
TCLP	Methyl Ethyl Ketone	<100ug/l	05
TCLP	Tetrachloroethylene	<30ug/l	05
TCLP	Trichloroethylene	<30ug/l	05

All results are on an as received basis.

DATE: 11/28/90

Upstate Laboratories, Inc.
Analysis Results
Report Number: 112890006
Client I.D.: ROTH BROS. SMELTING CORP.
Sampled by: ULI

APPROVAL: AJS
QC: MF
Lab I.D.: 10170

WEEKLY DUST
03 25,26,27,28 10/09/90 0935H C

ULI I.D.: 28290036

Matrix: Solid

	PARAMETERS	RESULTS	KEY
TCLP	Benzene	<30ug/l	05
TCLP	Chloroform	<30ug/l	05
TCLP	1,2-Dichloroethane	<30ug/l	05
TCLP	1,1-Dichloroethylene	<30ug/l	05
TCLP	1,4-Dichlorobenzene	<30ug/l	05
TCLP	Vinyl Chloride	<30ug/l	05

All results are on an as received basis.

DATE: 11/28/90

Upstate Laboratories, Inc.
Analysis Results
Report Number: 112890006
Client I.D.: ROTH BROS. SMELTING CORP.
Sampled by: ULI

APPROVAL: AJS
QC: MF
Lab I.D.: 10170

WEEKLY DUST
03 25.26.27.28 10/09/90 0935H C

ULI I.D.: 28290036 Matrix: Solid

PARAMETERS		RESULTS	KEY
TCLP	Corrosivity	11.7SU	
TCLP	Flash Point	>60degC	
TCLP	Reactive Sulfide	<250mg/kg	
TCLP	Reactive Cyanide	4mg/kg	
TCLP	Arsenic by furnace method	0.004mg/l	
TCLP	Barium	4.0mg/l	
TCLP	Cadmium	0.008mg/l	
TCLP	Chromium	<0.05mg/l	
TCLP	Lead	0.1mg/l	
TCLP	Mercury	<0.0004mg/l	
TCLP	Selenium by furnace method	0.012mg/l	27
TCLP	Silver	0.05mg/l	
TCLP Herbicides			
TCLP	2,4-D	<100ug/l	
TCLP	2,4,5-TP	<100ug/l	
TCLP Pesticides			
TCLP	Chlordane	<30ug/l	
TCLP	Endrin	<20ug/l	
TCLP	Heptachlor	<8ug/l	
TCLP	Lindane	<20ug/l	
TCLP	Methoxychlor	<20ug/l	
TCLP	Toxaphene	<50ug/l	
TCLP	Heptachlor Epoxide	<8ug/l	
TCLP Semi-Volatiles			
TCLP	O-Cresol	<50ug/l	05
TCLP	M-Cresol	<50ug/l	05
TCLP	P-Cresol	<50ug/l	05
TCLP	Nitrobenzene	<50ug/l	05
TCLP	Pentachlorophenol	<100ug/l	05
TCLP	Pyridine	<100ug/l	05
TCLP	2,4,5-Trichlorophenol	<50ug/l	05
TCLP	2,4,6-Trichlorophenol	110ug/l	05
TCLP	2,4-Dinitrotoluene	<50ug/l	05
TCLP	Hexachlorobenzene	<50ug/l	05
TCLP	Hexachlorobutadiene	<50ug/l	05
TCLP	Hexachloroethane	<50ug/l	05
TCLP Volatiles			
TCLP	Carbon Tetrachloride	<30ug/l	05
TCLP	Chlorobenzene	<30ug/l	05
TCLP	Methyl Ethyl Ketone	280ug/l	05

All results are on an as received basis.

Attachment E

Analytical Results from Soil Borings Taken in the Maintenance Yard

Source: Reference 51

BLASLAND & BOUCK ENGINEERS, P.C.
ENGINEERS & GEOSCIENTISTS
6723 Towpath Road, Box 66, Syracuse, New York 13214 (315) 446-9120
FAX: (315) 449-0017

December 28, 1989

Mr. Lawrence Blue
Environmental Analyst
Nixon, Hargrave, Devans & Doyle
1300 Lincoln First Tower
P.O. Box 1051
Rochester, New York 14603

Re: Roth Bros. Smelting Corp.

File: 506.01 #2

Dear Mr. Blue:

On October 19, 1989, Blasland & Bouck Engineers, P.C. (Blasland & Bouck) conducted a soil investigation at the Roth Bros. Smelting Corp. in Syracuse, New York (Figure 1). This investigation was conducted in response to issues raised during an environmental audit performed by Environmental Risk Limited, as a requirement for Pollution Liability Insurance. The objective of the investigation was to determine if soils in selected areas at the site have been impacted by plant activities.

Source: Reference 51

Tank Area

Three soil borings (B-9, B-10, and B-11) were located near Plant No. 2 to determine if soil has been impacted by the three underground storage tanks (Figure 3). Soil borings were located adjacent to the 1,000-gallon leaded gasoline tank, the 2,000-gallon unleaded gasoline tank, and the 2,000-gallon diesel tank. Soil samples were obtained, in the same manner as previously described, to a depth below the assumed bottom of the tanks, based on information supplied to Blasland & Bouck by Roth Bros. personnel.

Asphalt underlain by a silt and sand fill layer was encountered from the surface to approximately 5 to 7 feet below grade. A compact red to brown glacial till layer was encountered from approximately 5 to 7 feet below grade to the bottom of each boring at approximately 11 feet. The subsurface soil descriptions are presented in Attachment A. Hydrocarbon odors were noted in the shallow sample taken from B-11 near the diesel tank and appeared to be the result of possible surface spillage. Headspace screening was performed on each composite soil sample using an OVA, as described previously, and the results for B-9, B-10, and B-11 are presented in Attachment B.

Based on the results of the soil screening and visual examination, three soil samples, one from each boring, were selected for laboratory analysis. Each soil sample submitted to the laboratory was analyzed for total petroleum hydrocarbons, PCBs, halogenated and aromatic hydrocarbons, and EP Toxicity metals plus aluminum, copper, and zinc. Extraction and analytical methodologies were identical to those samples submitted from the scrap metal area. Analytical results for B-9, B-10, and B-11 are presented in Attachment C.

Results of the subsurface investigation in the tank area, as summarized in Attachment D, indicate that concentrations of metals, volatile organic compounds, and PCBs are all below available state or federal standards or guideline action levels. No kerosene, gasoline, fuel oil, or lubricating oil was present at or above method detection limits in the soil samples submitted from B-9, B-10, or B-11.

Source: Reference 51

Upstate Laboratories, Inc.
Analysis Results
Report # 111089001
Date: 11/10/89

CLIENT I.D.	B-7 2-4'	B-8 2-4'	B-9 3-5'	B-10 5-7'
Slesland, Bouck & Lee Engineers, P.C. (Roth Brothers, Project #506.01)	10/19/89	10/19/89	10/19/89	10/19/89
ULI I.D.	29389067	29389068	29389069	29389070
FID:				
Gasoline	Non-Detected	Non-Detected	Non-Detected	Non-Detected
Kerosene	<150 mg/kg	<350 mg/kg	<10 mg/kg	<10 mg/kg
Fuel Oil	<150 mg/kg	<350 mg/kg	<10 mg/kg	<10 mg/kg
Lubricating Oil	Detected	Detected	Non-Detected	Non-Detected
Total PCBs *	<2	11	<2	<2
EP TOXICITY:				
Aluminum	7.2	3.4	<0.5	0.5
Arsenic	0.016	0.008	<0.001	0.001
Barium	1.0	0.7	0.7	0.5
Cadmium	0.018	0.44	<0.005	<0.005
Chromium	<0.05	<0.05	<0.05	<0.05
Copper	0.15	0.18	0.05	0.07
Lead	0.5	1.0	<0.1	<0.1
Mercury	<0.0004	<0.0004	<0.0004	<0.0004
Selenium	<0.001	<0.001	<0.001	<0.001
Silver	<0.05	<0.05	0.05	<0.05
Zinc	6.9	22	0.10	0.35

All results are expressed as mg/l unless otherwise stated.
*Results are expressed as mg/kg dry weight.
Sampled by client.

Approved: _____ MC 11/10/89

Note: See disclaimer on cover letter.

UPSTATE LABORATORIES INC.
Analysis Results
Report Number 111089001
Date: November 10, 1989

CLIENT I.D. Blasland, Bouck & Lee Engineers, P.C. (Roth Brothers, Project #506.01)	B-11 7-9' 10/19/89	Field Blank 10/19/89
ULI I.D.	29389071	29389072
FID:		
Gasoline	Non-Detected	Non-Detected
Kerosene	<10 mg/kg	<0.1 ug/l
Fuel Oil	<10 mg/kg	<0.1 ug/l
Lubricating Oil	Non-Detected	Non-Detected
Total PCBs	<2 *	<0.1 ug/l
TOTAL:		
Aluminum	--	<0.5
Arsenic	--	<0.001
Barium	--	<0.3
Cadmium	--	<0.005
Chromium	--	<0.05
Copper	--	<0.02
Lead	--	<0.1
Mercury	--	<0.0004
Selenium	--	<0.001
Silver	--	<0.05
Zinc	--	<0.005
EP TOXICITY:		
Aluminum	0.8	--
Arsenic	0.001	--
Barium	0.5	--
Cadmium	<0.005	--
Chromium	<0.05	--
Copper	0.07	--
Lead	<0.1	--
Mercury	<0.0004	--
Selenium	<0.001	--
Silver	<0.05	--
Zinc	0.18	--

All results are expressed as mg/l unless otherwise stated.
*Results are expressed as mg/kg dry weight.
Sampled by client.

Approved: _____ ML 11/10/89

Note: See disclaimer on cover letter.

Source: Reference 51

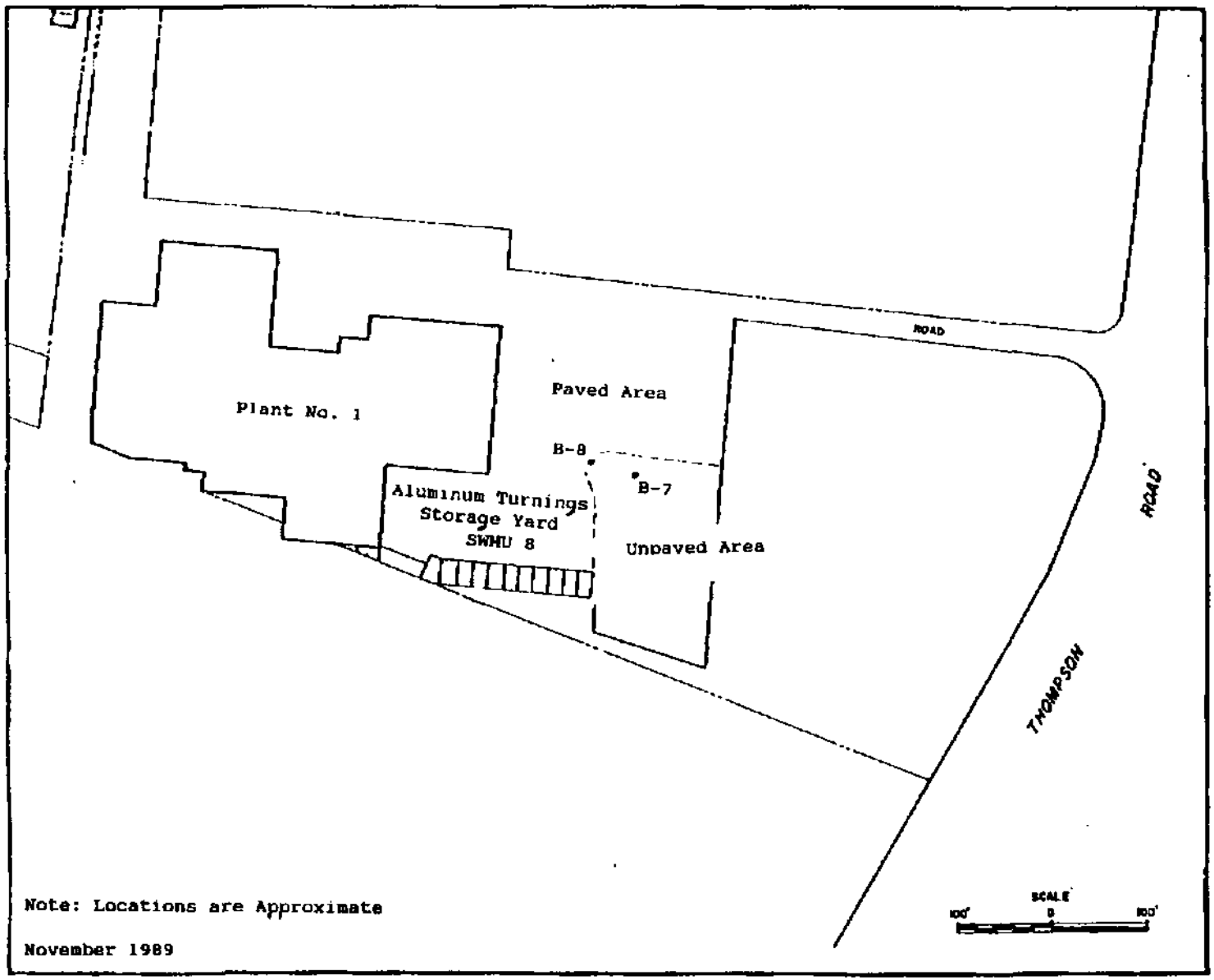


Figure 3
(continued)

Soil Boring
Locations
B-7 & B-8

Roth Brothers

FOIL205082

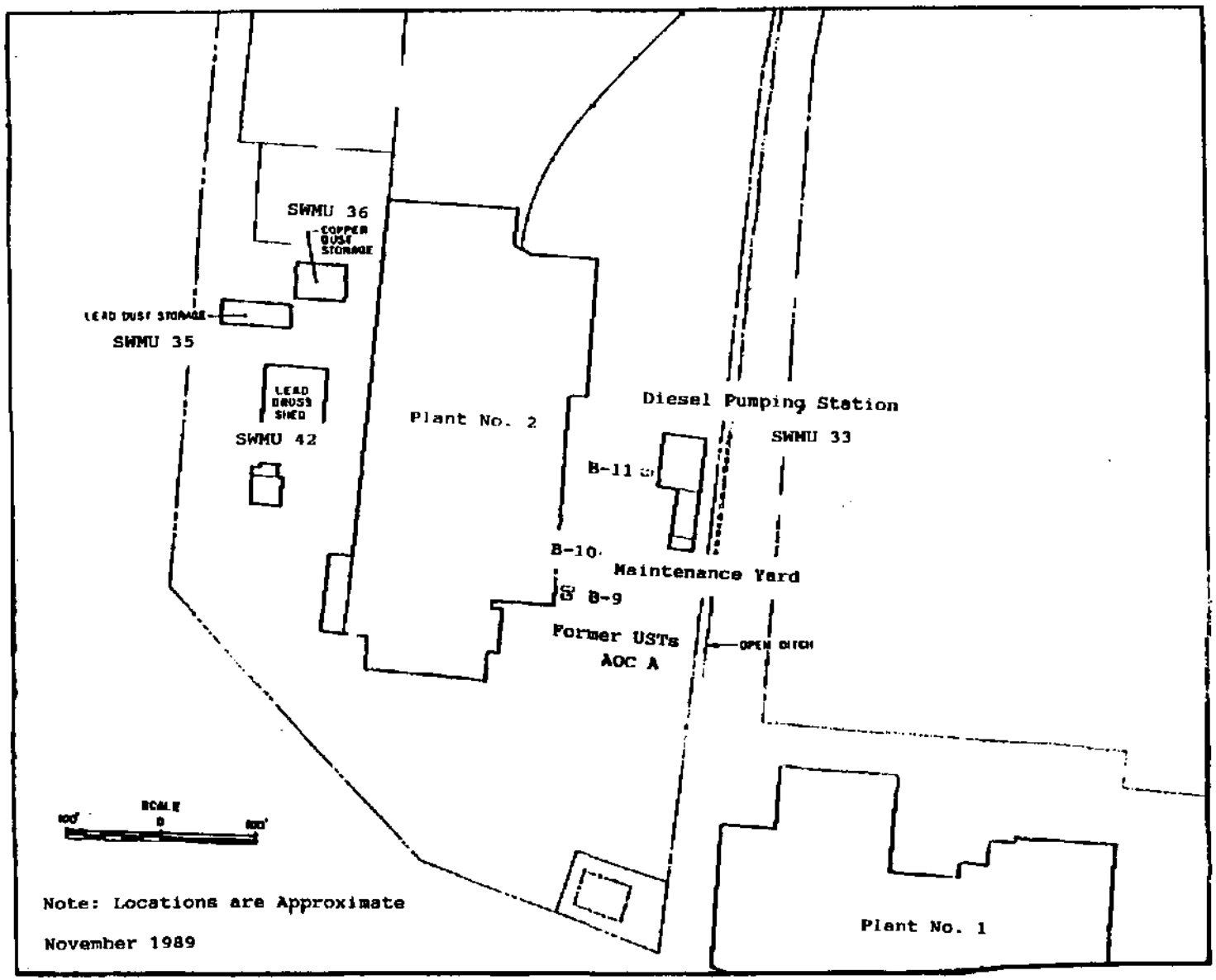


Figure 3

Soil Boring Locations B-9 to B-11

Roth Brothers

Attachment F

Test Pit and Test Boring Reports from Investigations of Plant Nos. 1 and 2

Source: References 55, 56

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B107

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70183-41
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-56; Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 9.0 ft.

ELEVATION: 410.67
DATUM: NGVD
START: 7 November 1990
FINISH: 7 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
						Gray-brown gravelly SAND.
		4 4 7 8	S1 8"/24"	1.0 3.0	1.2	Medium dense dark brown ORGANIC SILT. -LACUSTRINE-
		9 10 12 12	S2 9"/24"	3.0 5.0	3.0	Medium dense brown mottled SILT.
5						Same.
		14 16 18 17	S3 17"/24"	5.0 7.0	5.3	Dense light brown fine SAND, with occasional layer of silt. -LACUSTRINE-
						Same.
		37 19 19 22	S4 24"/24"	7.0 9.0	7.5	Dense light brown medium to fine SAND, trace coarse sand. -LACUSTRINE-
10						Bottom of Boring at 9.0 ft.
						Note: Observation well installed in completed boring. See Groundwater Observation Well Report.
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
		See Groundwater Level Monitoring Report			

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 9.0
ROCK CORED (LIN FT): --
SAMPLES: 4S
BORING NO. B107

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B108

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-41
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-56; Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 9.7 ft.

ELEVATION: 411.90
DATUM: NGVD
START: 6 November 1990
FINISH: 6 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-CONCRETE PAD-
		10 11 14 8	S1 11"/24"	1.0 3.0	2.5	Medium dense brown gravelly SILT, trace sand, with brick pieces -FILL-
		5 9 9 12	S2 6"/24"	3.0 5.0	3.0	Dark brown ORGANIC SILT.
5		7 9 8 12	S3 18"/24"	5.0 7.0	5.7	Medium dense brown laminated SILT. -LACUSTRINE- Dark brown to brown mottled sandy SILT.
		7 11 14 16	S4 24"/24"	7.0 9.0	8.5	Medium dense light brown fine SAND, with occasional layer of silt. -LACUSTRINE- Same.
10						Light brown medium to fine SAND.
						Bottom of Boring at 9.7 ft.
15						Note: Oservation well installed in completed boring. See Groundwater Observation Well Report.
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
		See Groundwater Level Monitoring Report			

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	9.7
ROCK CORED (LIN FT):	--
SAMPLES:	4S
BORING NO.	B108

FOIL205086

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B109

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-41
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-56; Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 11.0 ft.

ELEVATION: 412.79
DATUM: NGVD
START: 6 November 1990
FINISH: 6 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		5 5 7 14	S1 10"/24"	1.0 3.0		Medium dense brown GRAVEL, with cinder fragments, some black staining, wet. -FILL-
		7 9 12 19	S2 12"/24"	3.0 5.0	4.0	Same.
						Brown to dark brown mottled ORGANIC SILT. -LACUSTRINE-
5		14 17 15 15	S3 18"/24"	5.0 7.0	5.0	Dense light brown fine SAND, with layer of coarse to medium sand from 5.2 to 5.6 ft. -LACUSTRINE-
		16 21 18 9	S4 24"/24"	7.0 9.0		Same, with frequent layers of coarse to medium sand, and occasional layer of SILT. Same.
10		7 17 15 12	S5 24"/24"	9.0 11.0	9.4	Dense red-brown sandy SILT, trace gravel, with occasional seam of coarse sand. -GLACIAL TILL-
						Bottom of Boring at 11.0 ft.
						Note: Observation well installed in completed boring. See Groundwater Observation Well Report.
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
		See Groundwater Level Monitoring Report			

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 11.0
ROCK CORED (LIN FT): --
SAMPLES: SS
BORING NO. B109

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST PIT REPORT	TEST PIT NO. 201 FILE NO. 70185-42

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II LOCATION: CLIENT: NIXON HARGRAVE DEVANS & DOYLE CONTRACTOR: PARATT-WOLFF, INC. EQUIPMENT USED: CASE 580K EXTENDAHOE	LOCATION: See Plan ELEVATION: EXPLORATION DATE: 2 Nov. 1990 H&A REP.: W. Lanik

SCALE IN FEET	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA CHANGE	DESCRIPTION OF MATERIALS	REMARKS
				Dark brown sandy SILT, trace gravel, with wood fragments and metal. -FILL-	
	J1	1.5 2.5	1.5	-ASH- (J1)	
2	J2	2.5-3.0	2.5	Dark brown organic SILT (DITCH).	Noted ammonia smell in pit.
				Light brown interbedded fine SAND and SILT. -LACUSTRINE-	
4					
6					
8				Bottom of Exploration from 4.0 to 8.0 ft.	
10					
				Length of Trench 35 ft. South — North	
12					

WATER LEVEL			APPROXIMATE PIT DIMENSIONS AT SURFACE	SUMMARY
DATE	TIME*	DEPTH FT	LENGTH 35.0 feet WIDTH 3.0 feet	DEPTH: 4-8 ft.
11/02/90	1.0	5.0		JAR SAMPLES: 2
			BOULDERS	BAG SAMPLES: -
			8" to 18" DIAMETER: No. = Vol. cu ft	WATER LEVEL: 5.0 ft.
* Hrs after completed			Over 18" DIAMETER: No. = Vol. cu ft	TEST PIT NO. TP201

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST PIT REPORT	TEST PIT NO. 202 FILE NO. 70185-42

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II LOCATION: CLIENT: NIXON HARGRAVE DEVANS & DOYLE CONTRACTOR: PARATT-WOLFF, INC. EQUIPMENT USED: CASE 580K EXTENDAHOE	LOCATION: See Plan ELEVATION: EXPLORATION DATE: 2 Nov. 1990 H&A REP.: W. Lanik

SCALE IN FEET	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA CHANGE	DESCRIPTION OF MATERIALS	REMARKS
				Dark brown sandy SILT, trace gravel, with wood fragments, brick pieces, and scrap metal. -FILL-	
2					
	J1	2.5-3.0			
			3.0	DITCH (?)	
			3.5	-LACUSTRINE- Light brown fine SAND.	
4					
6				Bottom of Exploration from 4.0 to 6.0 ft.	
8					
10				Length of Trench 20 ft.	
12					

WATER LEVEL			APPROXIMATE PIT DIMENSIONS AT SURFACE	SUMMARY
DATE	TIME*	DEPTH FT	LENGTH 20.0 feet WIDTH 3.0 feet	DEPTH: 4-6 ft.
11/02/90	1.0	4.5		JAR SAMPLES: 1
			BOULDERS	BAG SAMPLES: -
			8" to 18" DIAMETER: No. = Vol. cu ft	WATER LEVEL: 4.5 ft.
* Hrs after completed			Over 18" DIAMETER: No. = Vol. cu ft	TEST PIT NO. TP202

TABLE I
ROTH BROS. SMELTING CORP. - PLANT 2
TEST PIT DATA SUMMARY

LOCATION	TEST PIT NO.	TOTAL DEPTH (FT)	FILL DESCRIPTION	FILL DEPTH (FT)	SAMPLE DEPTH (FT)
FILL AREA	TP01	10.0	Gravel, Sand, Ash, Cinders, Brick and Wood	0.0 – 6.0	4.0 – 5.0
	TP02	6.0	Granular	0.0 – 5.0	4.0 – 5.0
	TP03	5.5	Granular	0.0 – 4.0	3.0 – 4.0
	TP04	8.0	Granular	0.0 – 4.5	—
	TP05	7.0	Granular	0.0 – 3.0	2.0 – 3.0
	TP06	8.0	Granular, with Brick and Wood	0.0 – 3.0	2.0 – 3.0
	TP07	7.0	Granular, with Brick and Wood	0.0 – 4.0	3.0 – 4.0
	TP08	9.0	Granular, with Brick, Concrete and Wood	0.0 – 2.0	1.0 – 2.0
			Granular	2.0 – 3.0	
	TP09	7.0	Granular, with Brick and Wood	0.0 – 4.0	3.0 – 4.0
	TP10	7.5	Granular	0.0 – 5.0	3.0 – 4.0
	TP11	6.0	Gravel, Sand, Cinders, Ash and Wood	0.0 – 2.0	1.0 – 2.0
			Granular	2.0 – 4.5	
	TP12	8.0	Silt, Gravel, Cinders, Wood, Ash and Brick	0.0 – 4.0	3.0 – 4.0 (D)
	TP13	8.0	Granular, with Wood and Concrete	0.0 – 4.0	—
	TP14	7.0	Granular, with Wood, Concrete and Asphalt	0.0 – 4.5	—
	TP15	8.0	Granular	0.0 – 2.0	—
	TP16	8.0	Granular, with Concrete and Asphalt	0.0 – 4.0	—
	TP17	8.0	Granular, with Concrete, Asphalt and Wood	0.0 – 5.0	—
	TP18	7.0	Granular, with Concrete, Cinders and Wood	0.0 – 4.0	3.0 – 4.0
TRUCK MAINTENANCE A	TP22	4.0	Granular, with traces of Oil	0.0 – 1.5	1.0 – 1.5
	TP23	3.5	Granular, with Asphalt and Cinders	0.0 – 1.0	0.5 – 1.0
	TP24	4.0	Granular, with Asphalt and Cinders	0.0 – 1.0	0.5 – 1.0 (D)
PLANT 2 - SOUTHWEST	TP25	4.0	Granular	0.0 – 2.0	1.5 – 2.0

NOTES:
1. Granular Fill consists mainly of sandy GRAVEL, with traces of wood, cinders, brick and scrap metal.
2. — indicates no sample submitted for analysis.
3. (D) indicates sample submitted in duplicate.

edh:70185-40\p2-tbl1

FILE NO. 70185-40

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B201

PROJECT: ROTH BROS. SHELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 0.9 ft.

ELEVATION:
DATUM:
START: 24 October 1990
FINISH: 24 October 1990
DRILLER: W. Rice
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.9	-ASPHALT WITH SUB-BASE-
		8 8 9 10	S1 18"/24"	0.9 2.9	3.0	Medium dense dark brown sandy SILT, little to trace gravel, trace roots, with wood fragments and glass fragments. -FILL-
		2 2 2 2	S2* 24"/24"	2.9 4.9		Loose brown interbedded laminated SILT and medium to fine SAND. -LACUSTRINE-
5						Bottom of Boring at 4.9 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	4.9
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B201

FOIL205091

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B202

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 24 October 1990
FINISH: 24 October 1990
DRILLER: W. Rice
H&A REP: W. Lenik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		15 16 21 26	S1 20"/24"	1.0 3.0		Dense brown to black CINDER FRAGMENTS and particles little to trace gravel. -FILL-
		3 2 1 1	S2* 18"/24"	3.0 5.0	3.4	Very loose dark brown ORGANIC SILT, little to trace sand. -LACUSTRINE-
5		2 1 1 3	S3* 24"/24"	5.0 7.0	4.9	Very loose brown to dark brown interbedded laminated SILT and black mottled medium to fine SAND. -LACUSTRINE-
						Bottom of Boring at 7.0 ft.
10						Notes: *1. Sample obtained with 1-3/8 in. ID split spoon. 2. Sample S1 submitted for chemical analysis.
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT): 7.0
ROCK CORED (LIN FT): --
SAMPLES: 3S
BORING NO. B202

FOIL205092

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B203

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 24 October 1990
FINISH: 24 October 1990
DRILLER: W. Rice
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		8 5 3 2	S1 19"/24"	1.0 3.0	1.5	Medium dense brown sandy coarse to fine GRAVEL, trace wood fragments.
						Loose brown silty fine SAND, with layer of black-stained metal cuttings from 1.5 to 1.8 ft., and 3.0 to 3.2 ft. -FILL-
		3 2 2 3	S2 24"/24"	3.0 5.0	3.2	Loose red-brown sandy SILT, little gravel. -GLACIAL TILL-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B203

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B204

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 24 October 1990
FINISH: 24 October 1990
DRILLER: W. Rice
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		14 11 5 2	S1 18"/24"	1.0 3.0		Medium dense gray-brown coarse to fine SAND, little to trace gravel. -FILL-
		3 2 2 3	S2 24"/24"	3.0 5.0	3.3	Loose brown interbedded laminated SILT and medium to fine SAND. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 5.0
ROCK CORED (LIN FT): --
SAMPLES: 2S
BORING NO. B204

FOIL205094

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B205

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 24 October 1990
FINISH: 24 October 1990
DRILLER: W. Rice
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		15 15 25 14	S1 18"/24"	1.0 3.0	1.5	Medium dense brown coarse to fine GRAVEL.
						Medium dense sandy coarse to fine GRAVEL. -FILL-
		4 5 4 9	S2* 20"/24"	3.0 5.0	4.1	Same, except loose, with layer of yellow-brown sandy SILT from 3.8 to 4.1 ft.
5						Medium dense brown interbedded SILT and, medium to fine SAND, with dark brown organic silt layer. -LACUSTRINE-
						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 5.0
ROCK CORED (LIN FT): --
SAMPLES: 2S
BORING NO. B205

FOIL205095

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B206

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 24 October 1990
FINISH: 24 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		12 15 17 13	S1 20"/24"	1.0 3.0	1.5	Medium dense gray-brown coarse sandy GRAVEL.
						Medium dense brown mottled sandy SILT, little gravel, trace cinders, with layer of black-stained metal cuttings from 2.6 to 3.1 ft. -FILL-
		3 2 1 2	S2* 12"/24"	3.0 5.0	3.1	Loose dark brown ORGANIC SILT, with layer of medium sand, wet.
5						-LACUSTRINE-
		2 4 7 8	S3* 10"/24"	5.0 7.0	5.2	Medium dense brown to red brown sandy SILT, little to trace gravel. -GLACIAL TILL-
						Bottom of Boring at 7.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 7.0
ROCK CORED (LIN FT): ---
SAMPLES: 3S
BORING NO. B206

FOIL205096

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B207

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounte
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 24 October 1990
FINISH: 24 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASHALT WITH SUB-BASE-
						Medium dense brown sandy GRAVEL.
		13 9 7 5	S1 15"/24"	1.0 3.0	1.5	Medium dense brown to black silty coarse to fine SAND, with cinder and brick particles, and layer of black ash from 1.8 to 2.0 ft. -FILL-
		2 3 2 3	S2 24"/24"	3.0 5.0	3.0	Loose dark brown to brown mottled SILT, with layer of organic silt. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B207

FOIL205097

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B208

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 24 October 1990
FINISH: 24 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		9 3 3 4	S1 21"/24"	1.0 3.0	1.9	Medium dense brown sandy coarse to fine GRAVEL.
						Loose grey-brown coarse to fine sandy SILT, layer of dark brown organic silt. -LACUSTRINE-
		3 2 4 5	S2 18"/24"	3.0 5.0	3.5	Loose light brown interbedded laminated SILT and coarse to medium SAND. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA						SAMPLE IDENTIFICATION	SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER	O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT):	5.0
							ROCK CORED (LIN FT):	--
							SAMPLES:	2S
							BORING NO.	B208

FOIL205098

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B209

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 24 October 1990
FINISH: 24 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		17 25 29 12	S1 14"/24"	1.0 3.0		Medium dense dark brown gravelly coarse to fine SAND, trace cinder fragments and particles.
					3.5	Medium dense gray-brown sandy SILT. -FILL-
		4 3 3 3	S2* 24"/24"	3.0 5.0		Loose brown coarse to fine SAND, with occasional layer of silt. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
10/24/90	1545	0.25	---	5.5	2.9

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 5.0
ROCK CORED (LIN FT): --
SAMPLES: 2S
BORING NO. B209

FOIL205099

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B210

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.5 ft.

ELEVATION:
DATUM:
START: 24 October 1990
FINISH: 24 October 1990
DRILLER: D. Richmond
H&A REP: W. Lenik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		7 9 11 5	S1 24"/24"	1.5 3.5	3.0	Medium dense brown to dark brown sandy SILT, little gravel, trace cinder fragments. -FILL-
5		2 2 2 2	S2* 14"/24"	3.5 5.5		Loose dark brown to black mottled ORGANIC SILT. Same. -LACUSTRINE-
		1 1 WOH WOH	S3* 24"/24"	5.5 7.5		Same, except very loose, with layer of light brown laminated fine sandy SILT. -LACUSTRINE-
10						Bottom of Boring at 7.5 ft.
15						Notes: *1. Sample obtained with 1-3/8 in. ID split spoon. 2. Sample S1 submitted for chemical analysis.
20						
25						

WATER LEVEL DATA						SAMPLE IDENTIFICATION	SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER	O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT):	7.5
							ROCK CORED (LIN FT):	--
							SAMPLES:	3S
							BORING NO.	B210

FOIL205100

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B211

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		9 15 6 4	S1 18"/24"	1.0 3.0	2.0	Medium dense gray-brown gravelly coarse to medium SAND, with layer of black-stained metal cuttings from 1.9 to 2.0 ft. -FILL-
		4 4 5 5	S2 14"/24"	3.0 5.0	3.2	Medium stiff brown and black mottled ORGANIC SILT. -LACUSTRINE-
5						Loose brown medium SAND, with occasional layer of silty fine sand. -LACUSTRINE-
						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B211

FOIL205101

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B212

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		20 27 55 51	S1 10"/24"	1.0 3.0		Dense brown sandy GRAVEL, wet.
						-FILL-
		24 4 4 5	S2* 24"/24"	3.0 5.0	3.1 4.1	Medium dense brown mottled coarse to fine SAND, little to trace fine gravel. -LACUSTRINE-
5						Loose red-brown sandy SILT, little to trace fine gravel. -GLACIAL TILL-
						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B212

FOIL205102

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B213

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		22 16 16 9	S1 18"/24"	1.0 3.0	2.5	Medium dense gray-brown gravelly coarse to fine SAND, trace cinder particles, trace wood. -FILL-
		3 3 4 3	NR	3.0 5.0		Loose dark brown ORGANIC SILT. No Recovery. -LACUSTRINE-
5		4 3 6 8	S3* 24"/24"	5.0 7.0	5.1	Loose brown mottled coarse to fine SAND, little silt, wet. -LACUSTRINE-
						Bottom of Boring at 7.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	7.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B213

FOIL205103

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B214

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		6 5 5 5	S1 24"/24"	1.0 3.0	2.8	Loose light brown to brown mottled sandy SILT, trace gravel, with cinder fragments and particles, and metal pieces. -FILL-
		2 2 2 2	S2* 24"/24"	3.0 5.0		Soft light brown mottled SILT, trace organics.
						-LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID. split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B214

FOIL205104

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B215

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		21 19 15 12	S1 20"/24"	1.0 3.0	2.8	Medium dense dark brown gravelly coarse to fine SAND, trace cinders, with layer of black-stained cinder particles from 1.6 to 1.8 ft. -FILL-
		10 8 6 6	S2* 24"/24"	3.0 5.0		Stiff gray-brown to light brown mottled SILT, with layer of organic silt. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B215

FOIL205105

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B216

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		29 26 19 17	S1 20"/24"	1.0 3.0	3.0	Medium dense dark-brown to brown mottled gravelly medium to fine SAND, with concrete pieces and wood fragmets. -FILL-
		8 7 4 6	S2* 24"/24"	3.0 5.0		Medium dense brown mottled fine SAND, with organic layer from 3.0 to 3.5 ft. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						Notes: *1. Sample obtained with 1-3/8 in. ID split spoon. 2. Sample S1 submitted for chemical analysis.
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B216

FOIL205106

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B217

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		4 14 10 9	S1 18"/24"	1.0 3.0	2.5	Medium dense dark brown to brown mottled coarse to fine SAND, little gravel, with wood and cinder fragments. -FILL-
		8 9 6 9	S2* 10"/24"	3.0 5.0	3.0	Medium dense dark brown fine SAND, little organics, trace coarse to medium sand. -LACUSTRINE-
5						Medium dense red-brown to light brown mottled sandy SILT, trace gravel. -GLACIAL TILL-
						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B217

FOIL205107

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B218

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through concrete to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lenik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.7	-CONCRETE PAD-
		25 30 32 23	S1 24"/24"	1.0 3.0		Dense red-brown to dark brown sandy SILT, little gravel, with wood fragments. -FILL-
		7 3 2 4	S2* 24"/24"	3.0 5.0	3.5	Same. Loose light brown mottled fine SAND, with layer of dark-brown fine sand little organics from 3.5 to 4.0 ft. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B218

FOIL205108

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B219

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-ASPHALT-
		3 3 4 6	S1 14"/24"	1.0 3.0	2.0	Very dense dark brown to black CINDER PARTICLES AND FRAGMENTS. -FILL-
		4 3 4 6	S2* 24"/24"	3.0 5.0	3.0	Medium stiff brown and black mottled, ORGANIC SILT. -LACUSTRINE-
5						Loose light brown laminated silty fine SAND, with occasional layer of medium sand. -LACUSTRINE-
						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B219

FOIL205109

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B220

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		23 13 11 10	S1 20"/24"	1.0 3.0	2.7	Medim dense dark brown to black CINDER FRAGMENTS and ASH, trace gravel, oily odor. -FILL-
		2 3 5 6	S2* 24"/24"	3.0 5.0		Loose brown mottled coarse to medium SAND, with occasional seams of silty fine sand, and layer of dark brown silty fine sand, little organics. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B220

FOIL205110

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B221

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		4 7 4 7	S1 16"/24"	1.0 3.0	2.3	Loose dark brown sandy GRAVEL, trace cinders. -FILL-
		5 6 6 7	S2* 24"/24"	3.0 5.0	3.0 4.5	Medium dense dark brown ORGANIC SILT.
5						Medium dense light brown laminated fine SAND, with frequent seams of silt. -LACUSTRINE-
						Medium dense red-brown sandy SILT, trace fine gravel. -GLACIAL TILL-
						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

3. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B221

FOIL205111

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B222

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 0.5 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		5 7 7 7	S1 24"/24"	0.5 2.5	0.5	-ASPHALT-
					2.1	Medium dense dark brown to brown mottled SILT, with wood fragments, and layer of cinders from 1.8 to 1.9 ft. -FILL-
		5 3 2 2	S2 24"/24"	2.5 4.5		Medium stiff dark brown to gray-brown mottled sandy SILT, trace organics. -LACUSTRINE-
5						Bottom of Boring at 4.5 ft.
10						
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	4.5
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B222

FOIL205112

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B223

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL FLUID: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.7	-CONCRETE PAD-
		20 19	S1	1.0		Medium dense dark brown to black GRAVEL, with cinder fragments and particles. -FILL-
		10 8	24"/24"	3.0	2.7	
		4 2	S2*	3.0		Loose light brown mottled coarse to fine SAND, with occasional silt seams and layers, and with layer of silt, little organics.
		3 2	14"/24"	5.0		-LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-/38 in. split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B223

FOIL205113

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B224

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced auger through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		7 5 8 8	S1 24"/24"	1.0 3.0	3.0	Medium dense brown to dark brown sandy SILT, trace gravel, with cinders. -FILL-
		7 6 7 7	S2 18"/24"	3.0 5.0		Medium dense gray-brown to dark brown mottled coarse to fine SAND, little to trace gravel, trace silt, with sand, little organics layer. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B224

FOIL205114

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B225

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad 0.8 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.8	-CONCRETE PAD-
		9 9 9 9	S1 15"/24"	1.0 3.0	1.5	Loose brown gravelly coarse SAND. -FILL-
		8 4 3 3	S2* 18"/24"	3.0 5.0	3.0	Loose dark brown sandy SILT, little gravel, with cinders. -FILL-
5		4 3 5 5	S3* 24"/24"	5.0 7.0		Loose dark brown ORGANIC SILT, with layer of light brown silt from 3.0 to 4.0 ft. -LACUSTRINE- Loose light brown silty fine SAND, grading into coarse to medium SAND, with layer of organic silt.
10						Bottom of Boring at 7.0 ft.
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 7.0
ROCK CORED (LIN FT): --
SAMPLES: 3S
BORING NO. B225

FOIL205115

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B226

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		14 15 15 16	S1 18"/24"	1.0 3.0	2.5	Medium dense dark brown coarse to fine SAND, little gravel, with metal fragments. -FILL-
		3 4 3 3	S2* 18"/24"	3.0 5.0	5.0	Medium dense dark brown sandy ORGANIC SILT. Loose dark brown sandy ORGANIC SILT, trace fine gravel. -LACUSTRINE-
5		4 5 6 8	S3* 22"/24"	5.0 7.0	6.5	Loose light brown medium to fine SAND, with occasional silt seam. -LACUSTRINE-
						Medium dense red-brown sandy SILT, trace gravel. -GLACIAL TILL-
						Bottom of Boring at 7.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	7.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B226

FOIL205116

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B227

PROJECT: ROTH BROS. SHELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	ST CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		2	S1	1.0	1.2	
		2	22"/24"	3.0		Loose gray-brown to light brown mottled silty coarse to fine SAND, with layer of organic rich silt.
		4				-LACUSTRINE-
		8				
						Bottom of Boring at 3.0 ft.
5						
10						
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	3.0
ROCK CORED (LIN FT):	--
SAMPLES:	1S
BORING NO.	B227

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B228

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 0.5 ft.

ELEVATION:
DATUM:
START: 25 October 1990
FINISH: 25 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		2 3 5 5	S1 24"/24"	0.5 2.5	1.2	Loose dark brown GRAVEL, trace silt, trace organics, with black staining, oily odor. -FILL-
						Soft dark brown mottled ORGANIC SILT, trace sand, with layer of light brown silt. -LACUSTRINE-
						Bottom of Boring at 2.5 ft.
5						Note: Sample S1 submitted for chemical analysis.
10						
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 2.5
ROCK CORED (LIN FT): --
SAMPLES: 1S
BORING NO. B228

FOIL205118

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B229

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		30 28 22 17	S1 20"/24"	1.0 3.0		Medium dense dark brown gravelly coarse to fine SAND, trace silt, with layer of black cinders from 1.5 to 1.8 ft. -FILL-
		2 3 3 3	S2* 24"/24"	3.0 5.0	3.5	Loose dark brown sandy SILT, trace gravel, with cinders and wood fragments. -FILL-
5						Loose gray-brown to brown mottled coarse to fine SAND, little to trace gravel, trace silt, with layer of silt, little organics. -LACUSTRINE-
						Bottom of Boring at 5.0 ft.
10						Notes: *1. Sample obtained with 1-3/8 in. ID split spoon. 2. Sample S1 submitted for chemical analysis.
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B229

FOIL205119

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B230

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 0.5 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-ASPHALT WITH SUB-BASE-
		12 7 7 5	S1 14"/24"	0.5 2.5		Medium dense dark brown to black gravelly coarse to fine SAND, with cinders. -FILL- Same.
		5 3 2 2	S2 20"/24"	2.5 4.5	3.0	Loose gray-brown to dark brown mottled coarse to fine SAND, little to trace gravel, trace silt, with layer of sand, little organics. Same. -LACUSTRINE-
5		4 5 6 6	S3 24"/24"	4.5 6.5	5.3	Medium dense light brown fine SAND, with frequent seams of coarse sand, and occasional seam of silt. -LACUSTRINE-
						Bottom of Boring at 6.5 ft.
10						
15						
20						
25						

WATER LEVEL DATA						SAMPLE IDENTIFICATION	SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER	O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT):	6.5
							ROCK CORED (LIN FT):	--
							SAMPLES:	3S
							BORING NO.	B230

FOIL205120

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B231

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		15 15 16 9	S1 20"/24"	1.0 3.0		Medium dense brown to red-brown sandy SILT, little to trace gravel, trace cinders. -FILL-
		5 2 2 3	S2* 18"/24"	3.0 5.0	3.3	Loose gray-brown to dark brown mottled coarse to fine SAND, little to trace gravel, trace silt, with of sand, little organics.
5		2 3 5 9	S3* 24"/24"	5.0 7.0	5.7	Same. -LACUSTRINE-
						Medium dense light brown medium to fine SAND, with frequent layers of silt. -LACUSTRINE-
						Bottom of Boring at 7.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 is submitted for chemical analysis.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	7.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B231

FOIL205121

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B232

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 0.5 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-ASPHALT WITH SUB-BASE-
		11 9 8 10	S1 14"/24"	0.5 2.5	2.6	Medium dense light brown mottled medium to fine SAND, trace gravel, with wood fragments. -FILL-
		4 3 3 3	S2 20"/24"	2.5 4.5		Loose dark brown fine sandy ORGANIC SILT. -LACUSTRINE-
5						Bottom of Boring at 4.5 ft.
10						
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	4.5
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B232

FOIL205122

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B233

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounte
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		18 20 15 15	S1 24"/24"	1.0 3.0	2.7	Medium dense dark brown mottled sandy SILT, little gravel, with cinders. -FILL-
		5 6 6 7	S2* 24"/24"	3.0 5.0	4.5	Stiff dark brown sandy ORGANIC SILT, trace gravel. -LACUSTRINE-
5						Medium dense brown mottled coarse to fine SAND, little gravel, trace silt. -LACUSTRINE-
						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

D Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B223

FOIL205123

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B234

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		28 30 58 54	S1 20"/24"	1.0 3.0		Dense red-brown sandy SILT, little gravel. -FILL-
		12 16 25 42	S2* 6"/24"	3.0 5.0	3.0	Dense brown coarse to fine SAND, with concrete pieces. -FILL-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B234

FOIL205124

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B235

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: ---

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		5 13 13 15	S1 20"/24"	0.0	0.4	Medium dense brown gravelly coarse to medium SAND.
		9 2 1 2	S2 8"/24"	2.0 4.0		Medium dense black CINDERS and ASH. -FILL- Same, except very loose. -FILL- Same.
5		5 4 4 3	S3 24"/24"	4.0 6.0	4.4	Medium stiff light brown mottled SILT, trace coarse to medium sand, with layer coarse to medium sand from 4.4 to 5.0 ft. -LACUSTRINE-
						Bottom of Boring at 6.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	6.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B235

FOIL205125

K&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B236

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan 15 ft. NW
ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
K&A REP: W. Lanik

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: ---

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		3 5 3 5	S1 10"/24"	0.0 2.0		Loose gray-brown coarse sandy GRAVEL.
						Same. -FILL-
		6 2 1 1	S2 20"/24"	2.0 4.0	2.4	Very loose dark-brown to brown mottled fine sandy SILT, with layer of silt, little organics from 3.2 to 3.8 ft. -LACUSTRINE-
5						Bottom of Boring at 4.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 4.0
ROCK CORED (LIN FT): --
SAMPLES: 2S
BORING NO. B236

FOIL205126

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B237

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
						Medium dense gray-brown sandy GRAVEL.
		13 19 9 9	S1 18"/24"	1.0 3.0	1.7	Medium dense brown gravelly medium to fine SAND, trace silt, trace cinders. -FILL-
		4 6 3 2	S2* 12"/24"	3.0 5.0	4.8	Same, except loose and trace gravel. -FILL-
5		2 2 3 7	S3* 11"/24"	5.0 7.0		Medium stiff dark brown to brown sandy ORGANIC SILT. -LACUSTRINE-
						Bottom of Boring at 7.0 ft.
10						Notes: *1. Sample obtained with 1-3/8 in. ID split spoon. 2. Sample S1 submitted for chemical analysis.
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	7.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B237

FOIL205127

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B23B

PROJECT: ROTH BROS. SHELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		13 9 11 8	S1 20"/24"	1.0 3.0		Medium dense brown to light-brown mottled gravelly medium to fine SAND, with wood fragments.
						-FILL-
		2 2 2 2	S2* 24"/24"	3.0 5.0	3.2	Soft dark brown sandy ORGANIC SILT, with layer of brown sandy SILT, from 4.5 to 5.0 ft.
5						-LACUSTRINE-
						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical anlaysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B23B

FOIL205128

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B239

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		9 14 12 11	S1 18"/24"	1.0 3.0		Medium dense red-brown to brown sandy SILT, little gravel, with cinders. -FILL-
		8 5 8 6	S2 15"/24"	3.0 5.0		Same, except loose with wood fragments. -FILL-
5		4 5 5 5	S3* 24"/24"	5.0 7.0	5.1	Medium dense red-brown to brown sandy SILT, trace fine gravel, with dark brown layer of silt, little organics from 5.1 to 5.6 ft. -LACUSTRINE-
						Bottom of Boring at 7.0 ft.
10						Notes: *1. Sample obtained with 1-3/8 in. ID split spoon. 2. Samples S1 and S2 submitted for chemical analysis.
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	7.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B239

FOIL205129

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B240

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		7 10 10 6	S1 24"/24"	1.0 3.0	1.2	Medium dense red-brown sandy SILT, little to trace gravel, trace organics.
		9 8 5 6	S2 18"/24"	3.0 5.0	3.9	Same. -GLACIAL TILL-
5						Medium dense brown coarse to fine SAND, trace gravel, trace silt. -LACUSTRINE-
						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B240

FOIL205130

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B241

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-ASPHALT WITH SUB-BASE-
		15 15 14 14	S1 24"/24"	0.5 2.5		Medium dense red-brown sandy SILT, little to trace gravel, trace metal fragments and ash. -FILL-
		6 7 7 7	S2* 24"/24"	2.5 4.5		Same, except little to trace ash.
5		6 6 7 8	S3* 16"/24"	4.5 6.5	6.0	Same. -FILL-
						Medium dense light brown medium SAND, with trace organics. -LACUSTRINE-
						Bottom of Boring at 6.5 ft.
10						Notes:
						*1. Sample obtained with 1-3/8 in. ID. split spoon.
						2. Sample S1 submitted for chemical analysis.
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	6.5
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B241

FOIL205131

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B242

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		13 14 15 15	S1 24"/24"	1.0 3.0		Medium dense red-brown sandy SILT, little gravel. -FILL-
		11 14 15 16	S2 3"/24"	3.0 5.0		Same. -FILL-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA						SAMPLE IDENTIFICATION	SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER	O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT):	5.0
							ROCK CORED (LIN FT):	--
							SAMPLES:	2S
							BORING NO.	B242

FOIL205132

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B243

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		14 10 8 6	S1 14"/24"	1.0 3.0	1.8	Medium dense gray-brown coarse to fine sandy GRAVEL.
		5 10 14 7	S2 20"/24"	3.0 5.0		Loose black and brown mottled SILT, little gravel, with cinder fragments and ash. Same, except medium dense.
						-FILL-
5		3 5 5 6	S3* 24"/24"	5.0 7.0	5.2	Medium dense light brown mottled fine sandy SILT, with layer of coarse to medium sand from 5.2 to 5.7 ft.
						-LACUSTRINE-
						Bottom of Boring at 7.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Samples S1 and S2 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	7.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B243

FOIL205133

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B244

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		5 6 7 8	S1 18"/24"	1.0 3.0		Medium dense dark brown SILT, trace gravel, with cinders and ash. -FILL-
		33 25 11 4	S2 22"/24"	3.0 5.0		Dense dark brown gravelly coarse to fine SAND, trace silt, with cinders and ash.
5		WOH WOH 4 4	S3 24"/24"	5.0 7.0	6.0	Very loose dark brown gravelly SILT, with ash. -FILL-
						Medium stiff light to dark brown laminated SILT. -LACUSTRINE-
						Bottom of Boring at 7.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	7.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B244

FOIL205134

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B245

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		25 20 17 12	S1 24"/24"	1.0 3.0	1.2	Medium dense dark brown sandy SILT, little gravel, with cinders and wood fragments. -FILL-
		7 2 1 1	S2* 15"/24"	3.0 5.0	3.5	Same, except with black layer. -FILL-
5		WOH 1 6 7	S3* 17"/24"	5.0 7.0	5.0	Very loose light brown mottled SILT. -LACUSTRINE-
						Loose light brown to black mottled fine SAND. -LACUSTRINE-
						Bottom of Boring at 7.0 ft.
10						Notes: *1. Samples obtained with 1-3/8 in. ID. split spoon. 2. Sample S1 submitted for chemical analysis.
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

D Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	7.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B245

FOIL205135

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B246

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		13 8 9 8	S1 7"/24"	1.0 3.0	3.0	Medium dense dark brown coarse to fine SAND, little silt, trace gravel, with cinders and wood fragments. -FILL-
		5 6 6 14	S2 18"/24"	3.0 5.0	4.3	Medium dense red brown sandy SILT. -FILL-
5						Medium dense light brown medium to fine SAND. -LACUSTRINE-
						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

D Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B246

FOIL205136

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B247

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		13 31 29 24	S1 2"/24"	1.0 3.0		Dense dark brown gravelly SILT, little coarse to fine sand.
						Same, except very dense. -FILL-
		7 7 6 5	S2 20"/24"	3.0 5.0	3.5	Medium dense red-brown sandy SILT, trace gravel, trace organics.
						-GLACIAL TILL-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Note:

*1. Sample obtained with 1-3/8 in. ID split spoon.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B247

FOIL205137

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B248

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	---	SS	---
INSIDE DIAMETER (IN)	---	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: ---

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		11 12 10 10	S1 14"/24"	0.0 2.0	2.0	Medium dense dark brown coarse to fine SAND, little gravel, with cinders and wood fragments. -FILL-
		10 6 6 10	S2 19"/24"	2.0 4.0		Medium dense red-brown sandy SILT, trace gravel, with occasional layers of dark brown organic silt. -GLACIAL TILL-
5						Bottom of Boring at 4.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	4.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B248

FOIL205138

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B249

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	---	SS	---
INSIDE DIAMETER (IN)	---	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: ---

ELEVATION:
DATUM:
START: 26 October 1990
FINISH: 26 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		9 11 13 14	S1 18"/24"	0.0 2.0	2.0	Medium dense dark brown sandy SILT, trace fine gravel, with ash layer. -FILL-
		14 12 12 14	S2 24"/24"	2.0 4.0		Medium dense red-brown sandy SILT, little to trace gravel. -GLACIAL TILL-
5		12 12 10 9	S3 16"/24"	4.0 6.0		Same, with occasional dark brown layer of organic sandy silt. -GLACIAL TILL-
						Bottom of Boring at 6.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	6.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B249

FOIL205139

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B250

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	---	SS	---
INSIDE DIAMETER (IN)	---	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: ---

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lenik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		6 10 24 30	S1 22"/24"	0.0 2.0		Dense dark brown sandy GRAVEL, with wood fragments and trace cinders. Same. -FILL-
		18 2 2 7	S2* 15"/24"	2.0 4.0	2.5	Medium dense red-brown to dark brown mottled SILT, little to trace sand. Same. -LACUSTRINE-
5		3 3 4 8	S3* 24"/24"	4.0 6.0	5.0	Loose light brown fine sandy SILT. -LACUSTRINE-
						Bottom of Boring at 6.0 ft.
10						
15						
20						
25						

Notes:

*1. Samples obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analyses.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 6.0
ROCK CORED (LIN FT): --
SAMPLES: 3S
BORING NO. B250

FOIL205140

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B251

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: ---

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		17 19 21 30	S1 14"/24"	0.0 2.0		Dense dark brown sandy GRAVEL, with cinders and ash. -FILL-
		17 50	NR	2.0-3.0		No Recovery. -FILL-
5						Bottom of Boring at 3.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Encountered obstruction from 2.0 ft. to 3.0 ft., auger refusal at 3.0 ft.

3. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	3.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B251

FOIL205141

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B252

PROJECT: ROTH BROS. SHELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	---	SS	---
INSIDE DIAMETER (IN)	---	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: ---

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		16 20 18 20	S1 21"/24"	0.0 2.0	1.8	Dense dark brown sandy GRAVEL, with cinder fragments and particles, and wood fragments. -FILL-
		7 7 7 10	S2* 20"/24"	2.0 4.0		Medium dense red-brown sandy SILT, little to trace gravel. -FILL-
5		4 4 5 5	NR	4.0 6.0		No Recovery. Dense brown sandy GRAVEL. -FILL-
		20 10 8 8	S3* 8"/24"	6.0 8.0	6.5	Medium dense light brown medium SAND. -LACUSTRINE-
10						Bottom of Boring at 8.0 ft.
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	8.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B252

FOIL205142

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B253

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: O. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		13 13 14 15	S1 22"/24"	1.0 3.0	1.2	Medium dense red-brown to brown mottled sandy SILT, trace gravel. -GLACIAL TILL-
		6 7 6 7	S2* 12"/24"	3.0 5.0		Same.
5		4 5 7 7	S3* 24"/24"	5.0 7.0		Same. -GLACIAL TILL-
						Bottom of Boring at 7.0 ft.
10						Notes: *1. Sample obtained with 1-3/8 in. ID split spoon. 2. Sample S1 submitted for chemical analysis.
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 7.0
ROCK CORED (LIN FT): --
SAMPLES: 3S
BORING NO. B253

FOIL205143

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B254

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lenik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		40 23 30 17	S1 20"/24"	1.0 3.0	1.4	Very dense red-brown mottled sandy SILT, trace gravel.
		25 24 15 15	S2 10"/24"	3.0 5.0		Same.
						-GLACIAL TILL-
5						Bottom of Boring at 5.0 ft.
						Note:
						1. Samples S1 and S2 submitted for chemical analysis.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B254

FOIL205144

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B255

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 29 October 1990
FINISH: 29 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		8 20 25 19	S1 15"/24"	1.0 3.0		Dense red-brown sandy SILT, trace gravel. -GLACIAL TILL-
						Bottom of Boring at 3.0 ft.
5						
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
D Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	3.0
ROCK CORED (LIN FT):	--
SAMPLES:	1S
BORING NO.	B255

FOIL205145

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B256

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		12 11 8 8	S1 24"/24"	1.0 3.0	1.2	Medium dense dark brown to red-brown mottled sandy SILT, trace gravel, trace organics.
		14 12 8 8	S2 4"/24"	3.0 5.0	4.0	Same. -FILL-
5		4 5 6 6	NR	5.0 7.0		No Recovery. Medium dense dark brown silty GRAVEL, trace metal fragments, wet. -FILL-
		8 8 8 7	S4A - - - S4B 22"/24"	7.0-7.8 - - - 7.8 9.0	7.8	Medium dense light brown medium to fine SAND, with layer of coarse medium sand from 8.5 to 9.0 ft. -LACUSTRINE-
10						Bottom of Boring at 9.0 ft.
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	9.0
ROCK CORED (LIN FT):	--
SAMPLES:	4S
BORING NO.	B256

FOIL205146

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B257

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		13	S1	1.0	1.3	Medium dense gray-brown sandy GRAVEL.
		15 10 10	21"/24"	3.0		Medium dense red-brown mottled sandy SILT, trace GRAVEL. -GLACIAL TILL-
						Bottom of Boring at 3.0 ft.
5						
10						
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	3.0
ROCK CORED (LIN FT):	--
SAMPLES:	1S
BORING NO.	B257

FOIL205147

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B25B

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		17 12 11 7	S1 24"/24"	1.0 3.0	1.4	Medium dense gray-brown sandy GRAVEL.
					2.3	Medium dense red-brown mottled sandy SILT, trace gravel. -FILL-
		8 9 6 16	S2 8"/24"	3.0 5.0	3.4	Medium dense dark brown sandy SILT, little organics. Same. -BURIED TOPSOIL-
5						Medium dense red brown sandy SILT, trace gravel.
		4 9 18 15	S3 12"/24"	5.0 7.0		Same. -GLACIAL TILL-
		12 10 9 9	S4 14"/24"	7.0 9.0		Same. -GLACIAL TILL-
10						Bottom of Boring at 9.0 ft.
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	9.0
ROCK CORED (LIN FT):	--
SAMPLES:	4S
BORING NO.	B25B

FOIL205148

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B259

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		18 29 30 38	S1 10"/24"	1.0 3.0		Very dense red-brown mottled sandy SILT, trace gravel. -FILL-
		8 7 5 5	S2 24"/24"	3.0 5.0	3.0	Medium dense dark brown sandy SILT, little organics, with layer of brown medium to fine sand, trace gravel from 4.5 to 5.0 ft. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B259

FOIL205149

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B260

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lenik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		49 32 16 17	S1 17"/24"	1.0 3.0	2.0	Dense red-brown sandy SILT, little to trace gravel. -FILL-
		4 5 6 7	S2 18"/24"	3.0 5.0		Medium dense dark brown sandy SILT, little organics. -LACUSTRINE-
						Same.
5		3 4 3 5	S3* 8"/24"	5.0 7.0	5.1	-LACUSTRINE-
						Loose brown coarse to fine SAND, trace gravel. -LACUSTRINE-
						Bottom of Boring at 7.0 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	7.0
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B260

FOIL205150

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B261

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		11 14 15 14	S1 22"/24"	1.0 3.0	2.0	Medium dense red-brown sandy SILT, trace gravel. -FILL-
		8 6 8 11	S2 5"/24"	3.0 5.0		Medium dense dark brown to brown coarse to fine SAND, little to trace silt, trace gravel, with organics. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA						SAMPLE IDENTIFICATION	SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER	O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT):	5.0
							ROCK CORED (LIN FT):	--
							SAMPLES:	2S
							BORING NO.	B261

FOIL205151

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B262

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: WIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 0.5 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-CONCRETE PAD-
		5 6	S1	0.5		Medium dense red-brown sandy SILT, trace gravel. -FILL-
		5 6	12"/24"	2.5	2.1	Medium dense dark brown sandy SILT, with trace organics. -BURIED TOPSOIL-
5						Bottom of Boring at 2.5 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	2.5
ROCK CORED (LIN FT):	--
SAMPLES:	1S
BORING NO.	B262

FOIL205152

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B263

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 1.0 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-CONCRETE PAD-
		8 7 10 10	S1 22"/24"	1.0 3.0	1.5	Medium dense brown sandy SILT, little to trace gravel. -FILL-
		7 4 3 3	S2 13"/24"	3.0 5.0	3.0	Medium dense dark brown sandy SILT, with trace organics. -BURIED SOIL-
5						Very loose brown coarse to fine SAND. -LACUSTRINE-
						Bottom of Boring at 5.0 ft.
10						Note:
						*1. Samples S1 and S2 submitted for chemical analysis.
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B263

FOIL205153

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B264

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 0.5 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-ASPHALT WITH SUB-BASE-
		12 14 16 30	S1 24"/24"	0.5 2.5	1.8	Medium dense red-brown sandy SILT, trace gravel, with layer of black ash from 1.1 to 1.5 ft. -FILL-
						Dense light brown coarse to medium SAND. -LACUSTRINE-
5						Bottom of Boring at 2.5 ft.
10						
15						
20						
25						

Note:

*1. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

D Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	2.5
ROCK CORED (LIN FT):	--
SAMPLES:	1S
BORING NO.	B264

FOIL205154

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B265

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 0.5 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: O. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-CONCRETE PAD-
		13 16 10 10	S1 24"/24"	0.5 2.5	2.3	Medium dense brown to dark brown mottled sandy SILT, trace gravel. -FILL-
		2 3 4 4	S2* 12"/24"	2.5 4.5		Loose dark brown organic sandy SILT, little organics. -LACUSTRINE-
5		6 5 5 8	S3* 12"/24"	4.5 6.5		Loose brown medium to fine SAND, trace coarse sand. -LACUSTRINE-
						Bottom of Boring at 6.5 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. ID. split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	6.5
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B265

FOIL205155

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B266

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 0.5 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-CONCRETE PAD-
		8 6 6 4	S1 18"/24"	0.5 2.5	1.3	Loose gray-brown gravelly coarse to fine SAND. -FILL-
						Loose light brown to dark brown mottled silty fine SAND, little to trace gravel, trace organics. -LACUSTRINE-
5						Bottom of Boring at 2.5 ft.
10						
15						
20						
25						

Note:

1. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	2.5
ROCK CORED (LIN FT):	--
SAMPLES:	1S
BORING NO.	B266

FOIL205156

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B267

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 0.5 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-ASPHALT WITH SUB-BASE-
		2 2 3 3	S1 24"/24"	0.5 2.5		Loose dark brown sandy SILT, little organics, grading into light brown fine SAND at 2.0 ft. -LACUSTRINE-
		6 10 12 8	S2 17"/24"	2.5 4.5		Medium dense brown coarse to fine SAND, trace gravel. -LACUSTRINE-
5						Bottom of Boring at 4.5 ft.
10						
15						
20						
25						

WATER LEVEL DATA						SAMPLE IDENTIFICATION	SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER	O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT):	4.5
							ROCK CORED (LIN FT):	--
							SAMPLES:	2S
							BORING NO.	B267

FOIL205157

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B268

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 0.5 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lenik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.2	-CONCRETE PAD-
		13 20 31 21	S1 20"/24"	0.5 2.5		Very dense red-brown sandy SILT, trace gravel.
						Same. -FILL-
		2 3 4 4	S2* 23"/24"	2.5 4.5	3.0	Loose light brown fine SAND, with layer of dark brown silt, little organics from 3.0 to 3.5 ft. -LACUSTRINE-
5						Bottom of Boring at 4.5 ft.
10						
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. I.D. split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	4.5
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B268

FOIL205158

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B269

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 0.5 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-CONCRETE PAD-
		27 18 11 10	S1 20"/24"	0.5 2.5	2.4	Medium dense brown sandy SILT, trace gravel. -FILL-
		2 2 2 2	NR	2.5 4.5		No Recovery.
5		7 7 6 8	S3* 24"/24"	4.5 6.5		Medium dense dark brown SILT, little organics, grading into light brown coarse to fine sandy SILT, trace gravel at 5.2 ft. -LACUSTRINE-
						Bottom of Boring at 6.5 ft.
15						
20						
25						

Notes:

*1. Sample obtained with 1-3/8 in. I.D. split spoon.

2. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	6.5
ROCK CORED (LIN FT):	--
SAMPLES:	3S
BORING NO.	B269

FOIL205159

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B270

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: WIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 1.0 ft.

ELEVATION:
DATUM:
START: 30 October 1990
FINISH: 30 October 1990
DRILLER: D. Richmond
H&A REP: W. Lenik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-CONCRETE PAD-
		3 2 3 3	S1 19"/24"	1.0 3.0	2.3	Loose dark brown SILT, little organics. -LACUSTRINE-
		7 7 7 6	S2 24"/24"	3.0 5.0		Loose light brown fine SAND. Same, except medium dense. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B270

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B271

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 0.5 ft.

ELEVATION:
DATUM:
START: 31 October 1990
FINISH: 31 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					0.5	-CONCRETE PAD-
		4 5 7 8	S1 14"/24"	0.5 2.5		Medium dense dark brown gravelly SILT, little to trace sand, with occasional cinders. -FILL-
		6 6 5 4	S2 18"/24"	2.5 4.5	3.0	Same, except brown and mottled. -FILL-
5						Medium dense dark brown sandy SILT, little orgaincs, trace fine gravel. -LACUSTRINE-
						Bottom of Boring at 4.5 ft.
10						
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	4.5
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B271

FOIL205161

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B272

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through asphalt to 1.0 ft.

ELEVATION:
DATUM:
START: 31 October 1990
FINISH: 31 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-ASPHALT WITH SUB-BASE-
		4 7 11 15	S1 14"/24"	1.0 3.0	2.8	Medium dense brown gravelly SILT, little sand, with wood fragments. -FILL-
						Medium dense dark brown sandy SILT, little organics. -BURIED TOPSOIL-
5						Bottom of Boring at 3.0 ft.
10						
15						
20						
25						

Note:

1. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA						SAMPLE IDENTIFICATION	SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER	O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT):	3.0
							ROCK CORED (LIN FT):	--
							SAMPLES:	1S
							BORING NO.	B272

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. 8273

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 13.5 ft.

ELEVATION: 417.00
DATUM: NGVD
START: 31 October 1990
FINISH: 31 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-CONCRETE PAD-
		7 8 12 9	S1* 21"/24"	1.0 3.0		Medium dense brown mottled silty coarse to fine SAND, trace gravel. -FILL-
		6 4 4 5	S2 15"/24"	3.0 5.0		Loose brown to dark brown mottled fine sandy SILT, trace gravel, trace organics. Same. -FILL-
5		2 2 3 3	S3 17"/24"	5.0 7.0	5.3	Loose dark brown sandy SILT, little organics. Same, except wet. -BURIED TOPSOIL-
		4 5 8 8	S4 21"/24"	7.0 9.0	7.7	Medium dense red-brown sandy SILT, trace gravel. -GLACIAL TILL-
10		10 12 13 20	S5 10"/24"	9.0 11.0		Same, except with occasional layer of coarse to medium sand.
		18 16 18 21	S6 24"/24"	11.0 13.0		Same, except dense. -GLACIAL TILL-
15						Bottom of Boring at 13.5 ft.
20						
25						

Note:
1. Sample S1 submitted for chemical analysis.
2. * Sample obtained with 2-3/8 in. I.D. split spoon.
3. Observation well installed in completed boring. See Groundwater Observation Well Report.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
See Groundwater Monitoring Report.					

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	13.5
ROCK CORED (LIN FT):	--
SAMPLES:	6S
BORING NO.	8273

FOIL205163

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B274

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: WIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 1.0 ft.

ELEVATION:
DATUM:
START: 31 October 1990
FINISH: 31 October 1990
DRILLER: D. Richmond
H&A REP: W. Lenik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-CONCRETE PAD-
		12	S1	1.0	1.8	Medium dense brown gravelly coarse to fine SAND, with wood fragments. -FILL-
		10	18"/24"	3.0		
		9				Loose dark brown sandy SILT, little organics. -BURIED TOPSOIL-
		8				
5						Bottom of Boring at 3.0 ft.
10						
15						
20						
25						

Note:

1. Sample S1 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	3.0
ROCK CORED (LIN FT):	--
SAMPLES:	1S
BORING NO.	B274

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B275

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 1.0 ft.

ELEVATION:
DATUM:
START: 31 October 1990
FINISH: 31 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-CONCRETE PAD-
		12 5 4 4	S1 3"/24"	1.0 3.0	2.5	Loose gray-brown gravelly coarse to fine SAND, wet. -FILL-
		4 6 7 10	S2 24"/24"	3.0 5.0		Medium dense dark brown sandy SILT, little organics. Same, except loose. -BURIED TOPSOIL-
5						Bottom of boring at 5.0 ft.
10						
15						
20						
25						

Note:

1. Composite of sample S1 and top 0.5 ft. of sample S2 submitted for chemical analysis.

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B2

FOIL205165

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B276

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers through concrete pad to 1.0 ft.

ELEVATION:
DATUM:
START: 31 October 1990
FINISH: 31 October 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
					1.0	-CONCRETE PAD-
		4 4 3 2	S1 3"/24"	1.0 3.0		Loose gray-brown sandy GRAVEL, wet.
						Same. -FILL-
		4 9 7 11	S2 24"/24"	3.0 5.0	3.3 4.5	Medium dense dark brown sandy SILT, little organics. -BURIED TOPSOIL-
5						Medium dense light brown coarse to medium SAND, trace gravel. -LACUSTRINE-
						Bottom of Boring at 5.0 ft.
10						Note: 1. Composite of sample S1 and top 0.5 ft. of sample S2 submitted for chemical analysis.
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	25
BORING NO.	B276

FOIL205166

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geol· · sts and Hydrogeologists	TEST BORING REPORT	BORING NO. B277

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE ..
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 10.0 ft.

ELEVATION:
DATUM:
START: 1 November 1990
FINISH: 1 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		4 5 6 8	S1 21"/24"	0.0 2.0	0.5	Medium dense dark brown silty coarse to fine SAND, trace gravel, trace organics. -FILL-
		8 12 9 11	S2 22"/24"	2.0 4.0		Medium dense red-brown to brown mottled sandy SILT, trace gravel, trace organics. Same, except no organics. Same. -GLACIAL TILL-
5		8 8 7 12	S3 24"/24"	4.0 6.0	4.8	Medium dense light brown silty coarse to fine SAND, trace gravel, layered. -LACUSTRINE-
		13 12 9 11	S4 24"/24"	6.0 8.0		Medium dense light brown interlayered fine SAND and SILT, with layer of coarse to medium sand from 6.0 to 6.2 ft.
		4 3 2 4	S5 12"/24"	8.0 10.0		Same, except loose, with layer of brown sandy SILT, trace organics from 8.0 to 8.4 ft. -LACUSTRINE-
10						Bottom of Boring at 10.0 ft.
15						Note: Observation well installed in completed boring. See Groundwater Observation Well Report.
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
		See Groundwater Monitoring Report			

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	10.0
ROCK CORED (LIN FT):	--
SAMPLES:	5S
BORING NO.	B277

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B27B

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	2-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 12.0 ft.

ELEVATION:
DATUM:
START: 1 November 1990
FINISH: 1 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		5 12 13 13	S1 24"/24"	0.0 2.0		Medium dense dark brown gravelly SILT, little to trace sand, with wood fragments, cinder particles, concrete pieces, and ash. -FILL-
		11 10 11 9	S2 24"/24"	2.0 4.0	3.0	Same.
		6 10 10 9	S3 24"/24"	4.0 6.0		Medium dense light brown medium to fine SAND, trace coarse sand, with occasional layer of silt. -LACUSTRINE- Same.
		4 4 5 4	S4* 18"/24"	6.0 8.0		Loose brown coarse SAND, trace medium sand, trace gravel, with layer of medium to fine sand from 7.5 to 8.0 ft.
		4 5 6 5	S5* 15"/24"	8.0 10.0		Medium dense light brown coarse to medium SAND. -LACUSTRINE-
5						
10						
15						Bottom of Boring at 12.0 ft.
20						
25						

Notes:
1. * Sample obtained with 1-3/8 in. I.D. split spoon.
2. Samples S1, S2, and S3 submitted for chemical analysis.
3. Observation well installed in completed boring. See Groundwater Observation Well Report.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
		See Groundwater Monitoring Report			

SAMPLE IDENTIFICATION

D Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	12.0
ROCK CORED (LIN FT):	--
SAMPLES:	SS
BORING NO.	B27B

FOIL205168

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B279

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 10.0 ft.

ELEVATION:
DATUM:
START: 1 November 1990
FINISH: 1 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		4 8 7 4	S1 13"/24"	0.0 2.0	2.0	Medium dense dark brown to brown mottled sandy SILT, trace gravel, with cinder particles. -FILL-
		2 2 2 1	S2 8"/24"	2.0 4.0		Loose dark brown ORGANIC SILT, wet. -LACUSTRINE-
5		WOH WOH 2 1	S3 21"/24"	4.0 6.0		Same, except very loose with frequent coarse to medium sandy layers. Same. -LACUSTRINE-
		WOH WOH 2 4	S4 24"/24"	6.0 8.0	6.5	Loose light brown coarse to medium sand, with frequent seams and layers of silt.
10		6 3 5 7	S5 15"/24"	8.0 10.0		Loose light brown medium SAND, with frequent seams and layers of fine sand, -LACUSTRINE-
15						Bottom of Boring at 10.0 ft.
20						Note: Observation well installed in completed boring. See Groundwater Observation Well Report.
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
		See Groundwater Monitoring Report			

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	10.0
ROCK CORED (LIN FT):	--
SAMPLES:	5S
BORING NO.	B279

FOIL205169

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B280

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 10.0 ft.

ELEVATION:
DATUM:
START: 1 November 1990
FINISH: 1 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		1 1 1 2	S1 3"/24"	0.0 2.0	1.0	Very loose brown gravelly SILT, little sand, with wood fragments. -FILL-
		3 5 5 7	S2 20"/24"	2.0 4.0	2.2	Very loose dark brown LOAM. -BURIED TOPSOIL-
						Loose light brown mottled fine sandy SILT. -LACUSTRINE-
5		5 4 5 5	S3 20"/24"	4.0 6.0		Loose light brown SILT, with occasional layers of fine sand.
		4 8 9 9	S4 24"/24"	6.0 8.0		Medium dense light brown fine SAND, with frequent layers of silt from 6.0 to 7.0 ft.
10		6 8 6 7	S5 24"/24"	8.0 10.0		Medium dense interbedded light brown medium and fine SAND. -LACUSTRINE-
15						Bottom of Boring at 10.0 ft.
20						Note: Observation well installed in completed boring. See Groundwater Observation Well Report.
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
		See Groundwater Monitoring Report			

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	10.0
ROCK CORED (LIN FT):	---
SAMPLES:	SS
BORING NO.	B280

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B281

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 10.0 ft.

ELEVATION:
DATUM:
START: 5 November 1990
FINISH: 5 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		1 1 2 2	S1 10"/24"	0.0 2.0		Very loose brown to dark brown sandy SILT, trace gravel.
						Same. -FILL-
		5 8 9 12	S2 10"/24"	2.0 4.0	2.2	Medium dense red-brown sandy SILT, trace gravel. -GLACIAL TILL-
5		8 14 16 16	S3 18"/24"	4.0 6.0		Same.
		27 50/0.3	S4 9"/9"	6.0-6.8		Same, except very dense.
		50/0.4	S5 5"/5"	8.0-8.4		Same. -GLACIAL TILL-
10						Bottom of Boring at 10.0 ft.
						Note: Observation well installed in completed boring. See Groundwater Observation Well Report.
15						
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
		See Groundwater Level Monitoring Report			

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 10.0
ROCK CORED (LIN FT): --
SAMPLES: SS
BORING NO. B281

FOIL205171

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B282

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	---	SS	---
INSIDE DIAMETER (IN)	---	1-3/8	---
HAMMER WEIGHT (LB)	---	NA	---
HAMMER FALL (IN)	---	NA	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: ---
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced split spoon with sledge hammer

ELEVATION:
DATUM:
START: 5 November 1990
FINISH: 5 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
			S1 24"/24"	0.0 2.0		Dark brown to brown sandy SILT, little to trace gravel, trace organics. -FILL-
						Bottom of Boring at 2.0 ft. Note: Sample S1 submitted for chemical analysis.
5						
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	2.0
ROCK CORED (LIN FT):	--
SAMPLES:	1S
BORING NO.	B282

FOIL205172

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B283

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	---	SS	---
INSIDE DIAMETER (IN)	---	1-3/8	---
HAMMER WEIGHT (LB)	---	NA	---
HAMMER FALL (IN)	---	NA	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: ---
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced split spoon with sledge hammer

ELEVATION:
DATUM:
START: 5 November 1990
FINISH: 5 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
			S1 24"/24"	0.0 2.0		Dark brown to brown sandy SILT, little to trace gravel, trace organics. -FILL-
						Bottom of Boring at 2.0 ft. Note: Sample S1 submitted for chemical analysis.
5						
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	2.0
ROCK CORED (LIN FT):	--
SAMPLES:	15
BORING NO.	B283

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B284

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	---	SS	---
INSIDE DIAMETER (IN)	---	1-3/8	---
HAMMER WEIGHT (LB)	---	NA	---
HAMMER FALL (IN)	---	NA	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: ---
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced split spoon with sledge hammer

ELEVATION:
DATUM:
START: 5 November 1990
FINISH: 5 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
			S1 24"/24"	0.0 2.0		Dark brown to brown sandy SILT, little to trace gravel, trace organics. -FILL-
						Bottom of Boring at 2.0 ft.
5						Note: Sample S1 submitted for chemical analysis.
10						
15						
20						
25						

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY	
OVERBURDEN (LIN FT):	2.0
ROCK CORED (LIN FT):	--
SAMPLES:	1S
BORING NO.	B284

FOIL205174

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B28S

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	---	SS	---
INSIDE DIAMETER (IN)	---	1-3/8	---
HAMMER WEIGHT (LB)	---	NA	---
HAMMER FALL (IN)	---	NA	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: ---
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced split spoon with sledge hammer

ELEVATION:
DATUM:
START: 5 November 1990
FINISH: 5 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
			S1	0.0		Dark brown to brown sandy SILT, little to trace gravel, trace organics.
			8"/24"	2.0		-FILL-
			S2	2.0		Same, except trace gravel.
			10"/24"	4.0		-FILL-
5						Bottom of Boring at 4.2 ft.
						Note: Composite of samples S1 and S2 submitted for chemical analysis.
10						
15						
20						
25						

WATER LEVEL DATA						SAMPLE IDENTIFICATION	SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER	O Open End Rod T Thin Wall Tube U Undisturbed Sampl- S Split Spoon	OVERBURDEN (LIN FT):	2.0
							ROCK CORED (LIN FT):	--
							SAMPLES:	2S
							BORING NO.	B28S

FOIL205175

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B286

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 10.0 ft.

ELEVATION:
DATUM:
START: 5 November 1990
FINISH: 5 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		2 1 3 5	S1 15"/24"	0.0 2.0	0.5	Very loose dark brown sandy GRAVEL, trace organics. -FILL-
		3 4 8 11	S2 24"/24"	2.0 4.0		Loose red-brown to brown mottled sandy SILT, trace gravel. -GLACIAL TILL- Same, except medium dense, with occasional seams of coarse sand.
5		17 27 50/0.3	S3 12"/15"	4.0 5.3		Same, except very dense.
		50/0.3	S4 4"/4"	6.0-6.3		Same. -GLACIAL TILL-
		26 50/0.4	S5 11/11"	8.0-8.9		Same. -GLACIAL TILL-
10						Bottom of Boring at 10.0 ft.
15						Note: Observation well installed in completed boring. See Groundwater Observation Well Report.
20						
25						

WATER LEVEL DATA						SAMPLE IDENTIFICATION	SUMMARY	
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER	O Open End Rod T Thin Wall Tube U Undisturbed Sample S Split Spoon	OVERBURDEN (LIN FT):	10.0
							ROCK CORED (LIN FT):	--
		See Groundwater Level Monitoring Report					SAMPLES:	5S
							BORING NO.	B286

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B287

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 10.0 ft.

ELEVATION:
DATUM:
START: 2 November 1990
FINISH: 2 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		12 9 11 12	S1 17"/24"	1.0 3.0	1.5	Medium dense gray-brown GRAVEL.
		13 12 8 7	S2 15"/24"	3.0 5.0		Medium dense light brown coarse to fine SAND, trace silt. Same. -LACUSTRINE-
5		5 7 7 4	S3 18"/24"	5.0 7.0	5.0	Medium dense red-brown sandy SILT, trace gravel, with layer of coarse to medium sand from 5.3 to 5.5 ft. -GLACIAL TILL-
10						Bottom of Boring at 10.0 ft.
15						Notes: 1. 40 ppm volatile organic compounds detected inside casing during drilling. 2. Observation well installed in completed boring. See Groundwater Observation Well Report.
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
		See Groundwater Monitoring Report			

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	10.0
ROCK CORED (LIN FT):	---
SAMPLES:	3S
BORING NO.	B287

FOIL208177

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B288

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 5.0 ft.

ELEVATION:
DATUM:
START: 2 November 1990
FINISH: 2 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE-
		15 16 17 19	S1 20"/24"	1.0 2.0	2.0	Dense gray-brown sandy GRAVEL, slight black staining at 0.8 ft.
		9 10 10 11	S1-B	2.0-3.0		Dense light brown sandy SILT.
			NR	3.0 5.0		No Recovery. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Note:
1. 3 ppm volatile organic compounds detected above soil sample S1.
2. Borehole left open for 2 holes upon completion to record water levels.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
11/2/90	1130	1.0	---	5.0	4.2
11/2/90	1230	2.0	---	5.0	4.0

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B288

FOIL208178

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B289

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 5.0 ft.

ELEVATION:
DATUM:
START: 2 November 1990
FINISH: 2 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
						-ASPHALT WITH SUB-BASE- Medium dense gray-brown coarse SAND, trace gravel.
		5 7 7 7	S1 14"/24"	1.0 3.0	1.3	Medium dense dark brown medium sandy GRAVEL, trace silt, with black stained cinders. -FILL-
		23 22 14 11	S2 12"/24"	3.0 5.0	3.5	Same. Dense light brown coarse to medium SAND, trace gravel. -LACUSTRINE-
5						Bottom of Boring at 5.0 ft.
10						
15						
20						
25						

Note:
1. No volatile organic compounds detected above background levels within exploration.
2. Borehole left open for 2 hours upon completion to record water levels.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
11/2/90	1130	2.0	--	5.0	1.4

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT):	5.0
ROCK CORED (LIN FT):	--
SAMPLES:	2S
BORING NO.	B289

FOIL205179

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B290

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	SS	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: Mobile B-57, Truck Mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 10.5 ft.

ELEVATION:
DATUM:
START: 5 November 1990
FINISH: 6 November 1990
DRILLER: D. Richmond
H&A REP: W. Lanik

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		7 7 5 4	S1 24"/24"	0.0 2.0		Medium dense brown sandy GRAVEL, little to trace silt. -FILL- Same.
		4 3 3 3	S2 14"/24"	2.0 4.0	2.3 4.0	Loose brown to dark brown ORGANIC SILT, wet. -LACUSTRINE-
5		11 27 41 14	S3 15"/24"	4.0 6.0		Very dense red-brown sandy SILT, trace gravel. -GLACIAL TILL-
		14 11 10 7	S4 18"/24"	6.0 8.0		Medium dense red-brown coarse to fine SAND, trace silt, trace gravel.
10		5 7 7 9	S5 24"/24"	8.0 10.0		Same, except some silt. -GLACIAL TILL-
						Bottom of Boring at 10.5 ft.
15						Note: Observation well installed in completed boring. See Groundwater Observation Well Report.
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
11/6/90	0730	14	4.0	4.0	2.7

See Groundwater Level Monitoring Report

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT): 10.5
ROCK CORED (LIN FT): --
SAMPLES: SS
BORING NO. B290

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B291

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON, HARGRAVE, DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	S	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES

RIG TYPE: ATV, track-mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: vanced augers to 13.0 ft.

ELEVATION: 406.06
DATUM: NGVD
START: 22 January 1991
FINISH: 22 January 1991
DRILLER: B. Waters
H&A REP: M. Corrigan

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		2 1 1 1	S1 10"/24"	0.0 2.0		Very loose brown silty fine SAND, little clay, trace organics, moist. -LACUSTRINE-
5		4 5 8 9	S2 20"/24"	5.0 7.0		Medium dense brown silty fine SAND, wet. -LACUSTRINE-
10		5 9 7 7	S3 19"/24"	10.0 12.0		Medium dense brown fine SAND, trace medium sand, wet. -LACUSTRINE-
						Bottom of Boring at 13.0 ft.
15						Notes: 1. Installed monitoring well in completed borehole. 2. See Overburden Observation Well Report.
20						
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY

OVERBURDEN (LIN FT): 13.0 ft.
ROCK CORED (LIN FT): ---
SAMPLES: 3S
BORING NO. B291

FOIL205181

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B292

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	S	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile B-56, truck-mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 13.0 ft.

ELEVATION: 409.50
DATUM: NGVD
START: 22 January 1991
FINISH: 22 January 1991
DRILLER: B. Waters
H&A REP: M. Corrigan

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		3 4 4 3	S1 14"/24"	0.0 2.0	3.5	Loose gray-brown silty fine SAND, little coarse sand, little gravel, with metal fragments, wet. -FILL-
5		2 2 2 2	S2 12"/24"	5.0 7.0		Loose yellow-brown fine SAND, trace medium sand, wet. -LACUSTRINE-
10		2 4 6 7	S3 20"/24"	10.0 12.0		Loose yellow-brown silty fine SAND, wet. -LACUSTRINE-
15						Bottom of Boring at 13.0 ft.
20						
25						

Notes:

1. Installed monitoring well in completed borehole.
2. See Overburden Observation Well Report.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
1/21/91	1145	---	12.16 ft.	13.0 ft.	9.98 ft.
1/22/91	0910	21 hr.	12.16 ft.	13.0 ft.	5.70 ft.

SAMPLE IDENTIFICATION
D Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 13.0 ft.
ROCK CORED (LIN FT): ---
SAMPLES: 3S
BORING NO. B292

FOIL208182

H&A OF NEW YORK, ROCHESTER, NEW YORK Consulting Geotechnical Engineers, Geologists and Hydrogeologists	TEST BORING REPORT	BORING NO. B293

PROJECT: ROTH BROS. SHELTING CORPORATION - PHASE II
CLIENT: NIXON HARGRAVE DEVANS & DOYLE
CONTRACTOR: PARRATT-WOLFF, INC.

FILE NO. 70185-42
SHEET NO. 1 OF 1
LOCATION: See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	Auger	S	---
INSIDE DIAMETER (IN)	4-1/4	1-3/8	---
HAMMER WEIGHT (LB)	---	140	---
HAMMER FALL (IN)	---	30	---

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: ATV, track-mounted
BIT TYPE: ---
DRILL MUD: ---
OTHER: Advanced augers to 13.0 ft.

ELEVATION: 407.47
DATUM: NGVD
START: 22 January 1991
FINISH: 22 January 1991
DRILLER: B. Waters
H&A REP: M. Corrigan

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & RECOVERY	SAMPLE DEPTH (FT)	STRATA CHANGE (FT)	VISUAL CLASSIFICATION AND REMARKS
		WOH WOH 1 2	S1 1"/24"	0.0 2.0		Very loose brown fine SAND, some coarse sand, some gravel, wet. -LACUSTRINE-
5		3 5 6 7	S2 21"/24"	5.0 7.0		Stiff brown clayey fine SAND, moist. -LACUSTRINE-
10		3 4 8 8	S3 18"/24"	10.0 12.0		Medium dense brown SILT, with medium to fine sand layer at 11.8 ft., wet. -LACUSTRINE-
15						Bottom of boring at 13.0 ft.
20						Notes: 1. Installed monitoring well in completed borehole. 2. See Overburden Observation Well Report.
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O Open End Rod
T Thin Wall Tube
U Undisturbed Sample
S Split Spoon

SUMMARY
OVERBURDEN (LIN FT): 13.0 ft.
ROCK CORED (LIN FT): ---
SAMPLES: 3S
BORING NO. B293

Attachment G

Observation Well Reports
and Groundwater Level Monitoring Reports,
Plant Nos. 1 and 2

Source: References 55, 56

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

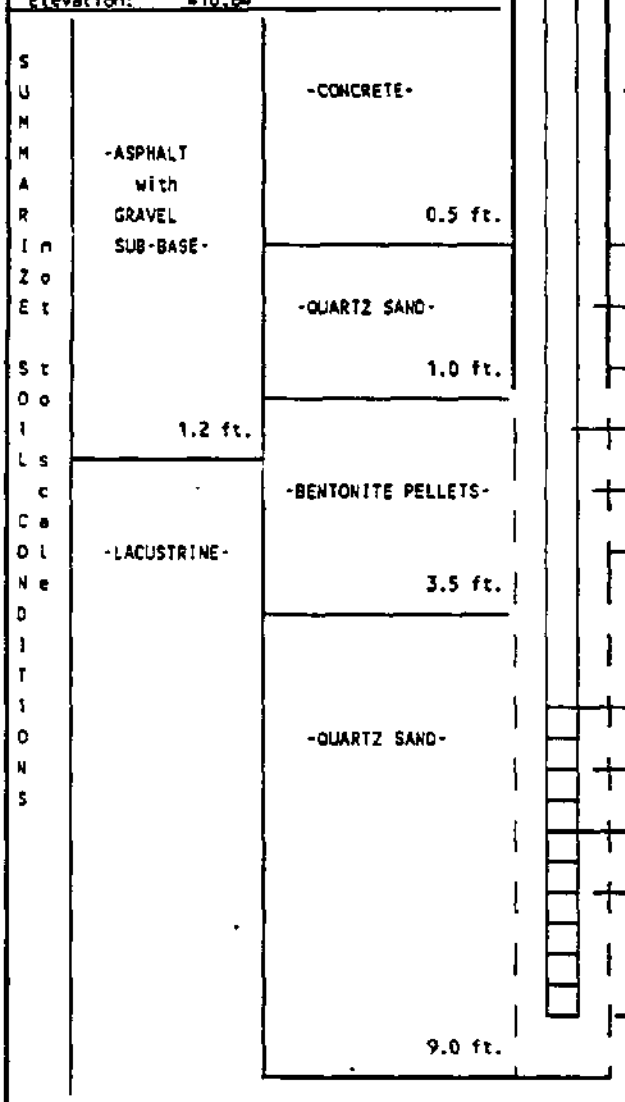
PROJECT:	ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.:	70185-41
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B107-OW
CLIENT:	NIXON HARGRAVE DEVANS & DOYLE	LOCATION:	See Plan
CONTRACTOR:	PARRATT-WOLFF, INC.		
DRILLER:	D. RICHMOND RIG TYPE: Mobile B-56	SHEET:	1 OF 2
INSTALLATION DATE:	7 NOVEMBER 1990	INSPECTOR:	W. Lanik

Survey Datum NGVD

Ground Elevation: 410.64

SUMMARIZE SOIL CONDITIONS not to scale

Soil	Depth
-ASPHALT with GRAVEL SUB-BASE-	1.2 ft.
-CONCRETE-	0.5 ft.
-QUARTZ SAND-	1.0 ft.
-LACUSTRINE-	3.5 ft.
-BENTONITE PELLETS-	9.0 ft.
-QUARTZ SAND-	



Stickup above/below ground surface of protective casing.	0.00 ft.
Depth below ground surface of riser pipe.	0.20 ft.
Thickness of Surface Seal	0.5 ft.
Type of Surface Seal (indicated all seals showing depth, thickness and type)	Concrete
Type of Protective Casing	Roadway Box
Inside Diameter of Protective Casing	9.0 in.
Depth of Bottom of Protective Casing	0.6 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in.
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	4.9 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	9.0 ft.
Depth of Bottom of Borehole	9.0 ft.

Remarks:

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B107-OW	GROUND/TOP OF CASING ELEVATION: 410.64/410.44	FILE NO. 70185-41 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM TOR	ELEVATION OF WATER	REMARKS	READ BY
11/07/90	1030	--	2.33 ft.	408.11	Installation completed (developed 1.0 hrs./15 gal.)	WL
11/09/90	0840	2 days	2.50 ft.	407.94		WL

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.:	70185-41
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B108-OW
CLIENT:	NIXON HARGRAVE DEVANS & DOYLE	LOCATION:	See Plan
CONTRACTOR:	PARRATT-WOLFF, INC.		
DRILLER:	D. RICHMOND RIG TYPE: Mobile B-56	SHEET:	1 OF 2
INSTALLATION DATE:	6-7 NOVEMBER 1990	INSPECTOR:	W. Lanik

Survey Datum NGVD

Ground Elevation: 411.90

SUMMARIZE SOIL CONDITIONS

-CONCRETE-	0.5 ft.
-CONCRETE-	1.0 ft.
-QUARTZ SAND-	1.5 ft.
-FILL-	2.5 ft.
-BENTONITE PELLETS-	3.5 ft.
-LACUSTRINE-	
-QUARTZ SAND-	9.7 ft.

Stickup above/below ground surface of protective casing.	0.00 ft.
Depth below ground surface of riser pipe.	0.25 ft.
Thickness of Surface Seal	0.50 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete
Type of Protective Casing	Roadway Box
Inside Diameter of Protective Casing	9.0 in.
Depth of Bottom of Protective Casing	0.6 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in.
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	4.95 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	9.55 ft.
Depth of Bottom of Borehole	9.70 ft.

Remarks:

HEA OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B108-OW	GROUND/TOP OF CASING ELEVATION: 411.90/411.65	FILE NO. 70185-41 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM TOR	ELEVATION OF WATER	REMARKS	READ BY
11/07/90	0730	--	3.42 ft.	408.23	Installation completed (developed 1.0 hrs./21 gal.)	WL
11/09/90	0830	2 days	3.20 ft.	408.45		WL

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.:	70185-41
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B109-OW
CLIENT:	NIXON HARGRAVE DEVANS & DOYLE	LOCATION:	See Plan
CONTRACTOR:	PARRATT-WOLFF, INC.		
DRILLER:	D. RICHMOND RIG TYPE: MOBILE B-56	SHEET:	1 OF 2
INSTALLATION DATE:	6 NOVEMBER 1990	INSPECTOR:	W. Lenik

Survey Datum NGVD

Ground Elevation: 41[illegible]9

SUMMARIZED SOIL CONDITIONS

-ASPHALT with GRAVEL SUB-BASE-	-CONCRETE- 0.5 ft.
1.0 ft.	-QUARTZ SAND- 1.0 ft.
-FILL- 4.0 ft.	-BENTONITE PELLETS- 4.0 ft.
-LACUSTRINE- 9.4 ft.	-QUARTZ SAND-
-GLACIAL TILL-	11.0 ft.

Stickup above/below ground surface of protective casing.	0.00 ft.
Depth below ground surface or riser pipe.	0.29 ft.
Thickness of Surface Seal	0.5 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete
Type of Protective Casing	Roadway Box
Inside Diameter of Protective Casing	9.0 in.
Depth of Bottom of Protective Casing	0.6 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in.
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	5.6 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	10.1 ft.
Depth of Bottom of Borehole	11.0 ft.

Remarks:

Well No. B109-OW

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B109-OW	GROUND/TOP OF CASING ELEVATION: 412.79/412.50	FILE NO. 70185-41 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM TOR	ELEVATION OF WATER	REMARKS	READ BY
11/07/90	0745	17 hrs.	1.72 ft.	410.78	Time from installation (developed 1.0 hrs./65 gal.)	WL
11/09/90	0820	2 days	1.95 ft.	410.55		WL

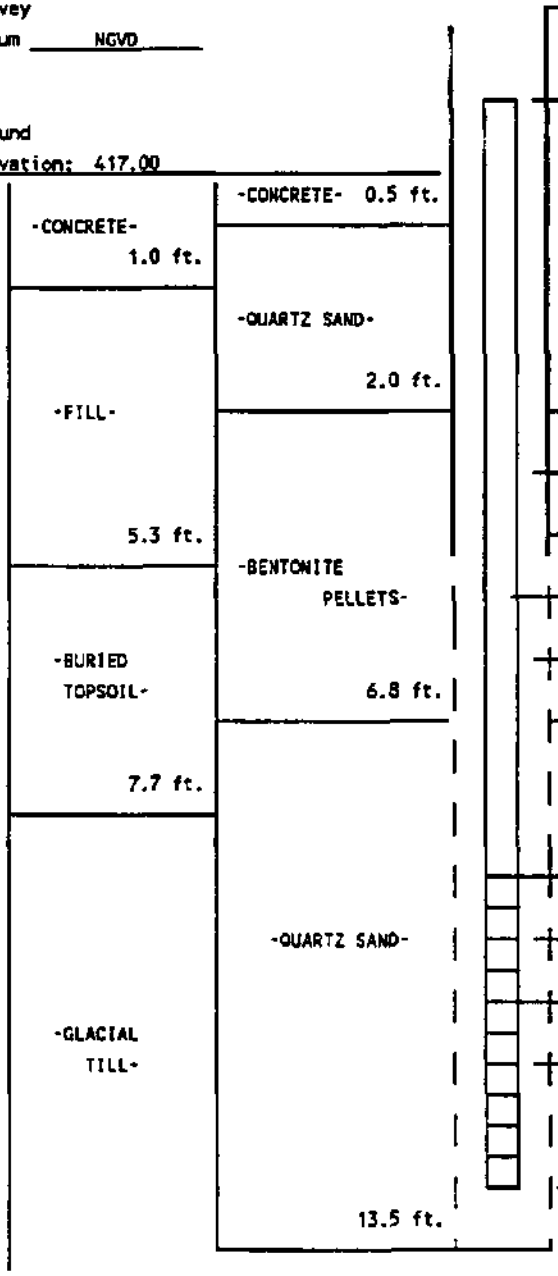
H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.: 70185-42
LOCATION: EAST SYRACUSE, NEW YORK	WELL NO.: B273-OW
CLIENT: NIXON HARGRAVE DEVANS & DOYLE	LOCATION: See Plan
CONTRACTOR: PARRATT-WOLFF, INC.	
DRILLER: D. RICHMOND RIG TYPE:	SHEET: 1 OF 2
INSTALLATION DATE: 31 OCTOBER 1990	INSPECTOR: W. Lanik

Survey Datum NGVD

Ground Elevation: 417.00

SUMMARIZED SOIL CONDITIONS



Stickup above ground surface of protective casing.	0.00 ft.
Stickup below ground surface of riser pipe.	0.32 ft.
Thickness of Surface Seal	0.5 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete/Bentonite
Type of Protective Casing	Roadway Box
Inside Diameter of Protective Casing	9.0 in.
Depth of Bottom of Protective Casing	0.6 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in.
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	8.8 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	13.5 ft.
Depth of Bottom of Borehole	13.5 ft.

Remarks:

Well No. B273-OW

FOIL205101

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B273-OW	GROUND/TOP OF CASING ELEVATION: 417.00/416.68 ft.	FILE NO. 70185-42 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
11/01/90	1245	1 day	3.51 ft.	413.17 ft.	Time from installation.	WL
11/05/90	1130	4 days	3.26 ft.	413.42 ft.		WL
11/07/90	1120	2 days	3.36 ft.	413.32 ft.	Prior to development (dev. 1 hr./9 gal.)	WL
11/09/90	0840	2 days	3.46 ft.	413.22 ft.		WL
1/24/91	1100	77 days	3.52 ft.	413.16 ft.		MJC

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.:	70185-42
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B277-OW
CLIENT:	NIXON HARGRAVE DEVANS & DOYLE	LOCATION:	See Plan
CONTRACTOR:	PARRATT-WOLFF, INC.		
DRILLER:	D. RICHMOND RIG TYPE:	SHEET:	1 OF 2
INSTALLATION DATE:	1 NOVEMBER 199	INSPECTOR:	W. Lanik

Survey Datum NGVD

Ground Elevation: 413.81

SUMMARIZE SOIL CONDITIONS

Soil Type	Depth
-FILL-	0.5 ft.
-GLACIAL TILL-	4.8 ft.
-LACUSTRINE-	
-CONCRETE-	2.0 ft.
-BENTONITE PELLETS-	3.4 ft.
-QUARTZ SAND-	9.8 ft.

Stickup above ground surface of protective casing.	3.00 ft.
Stickup above ground surface of riser pipe.	2.82 ft.
Thickness of Surface Seal	3.4 ft.
Type of Surface Seal (indicated all seals showing depth, thickness and type)	Concrete/ Bentonite
Type of Protective Casing	Steel Protective
Inside Diameter of Protective Casing	4.0 in.
Depth of Bottom of Protective Casing	1.3 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in.
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	4.45 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	9.45 ft.
Depth of Bottom of Borehole	9.80 ft.

Remarks:

Well No. B277-OW

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B277-OW	GROUND/TOP OF CASING ELEVATION: 413.81/416.63 ft.	FILE NO. 70185-42 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
11/01/90	1200	3 hrs.	7.10 ft.	409.53 ft.	Time from installation.	WL
11/06/90	1100	5 days	7.40 ft.	409.23 ft.	Prior to development (dev. 1.0 hrs./12 gal.)	WL
11/06/90	1230	1.5 hrs.	7.46 ft.	409.17 ft.		WL
11/07/90	1100	1 day	7.18 ft.	409.45 ft.		WL
1/24/91	1045	79 days	7.42 ft.	409.21 ft.		MJC

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.:	70185-42
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B278-OW
CLIENT:	NIXON HARGRAVE DEVANS & DOYLE	LOCATION:	See Plan
CONTRACTOR:	PARRATT-WOLFF, INC.		
DRILLER:	D. RICHMOND RIG TYPE:	SHEET:	1 OF 2
INSTALLATION DATE:	1-2 NOVEMBER 1990	INSPECTOR:	W. Lanik

Survey Datum NGVD

Ground Elevation: 409.64

SUMMARIZE SOIL CONDITIONS not to scale

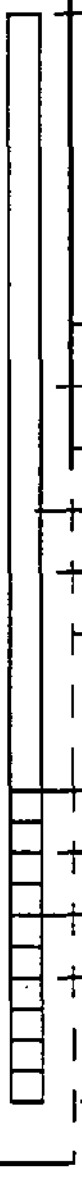
-FILL- 3.0 ft.

-CONCRETE- 2.0 ft.

-BENTONITE PELLETS- 6.0 ft.

-LACUSTRINE-

-QUARTZ SAND- 12.7 ft.



Stickup above ground surface of protective casing.	2.60 ft.
Stickup above ground surface of riser pipe.	2.40 ft.
Thickness of Surface Seal	6.0 ft.
Type of Surface Seal (indicated all seals showing depth, thickness and type)	Concrete/ Bentonite
Type of Protective Casing	Steel Protective
Inside Diameter of Protective Casing	4.0 in.
Depth of Bottom of Protective Casing	1.7 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in.
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	8.1 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	12.7 ft.
Depth of Bottom of Borehole	12.7 ft.

Remarks:

Well No. B278-OW

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B278-OW	GROUND/TOP OF CASING ELEVATION: 409.64/412.04	FILE NO. 70185-42 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
11/02/90	1400	5 hrs.	5.44 ft.	406.60	time from installation	WL
11/06/90	1115	4 days	5.31 ft.	406.73	prior to development (dev. 1.0 hrs./12 gal.)	WL
11/07/90	1107	1 day	5.36 ft.	406.68		WL
1/24/91	1000	79 days	5.45 ft.	406.59		MJC

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.:	70185-42
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B279-OW
CLIENT:	NIXON HARGRAVE DEVANS & DOYLE	LOCATION:	See Plan
CONTRACTOR:	PARRATT-WOLFF, INC.		
DRILLER:	D. RICHMOND RIG TYPE:	SHEET:	1 OF 2
INSTALLATION DATE:	1 NOVEMBER 1990	INSPECTOR:	W. Lanik

Survey
Datum NGVD

Ground
Elevation: 410.70

SUMMARIZE SOIL CONDITIONS

		0.0 ft.
-FILL-		-CONCRETE-
2.0 ft.		2.0 ft.
		-BENTONITE PELLETS-
		4.0 ft.
-LACUSTRINE-		-QUARTZ SAND-
		10.0 ft.

Stickup above ground surface of protective casing.	2.70 ft.
Stickup above ground surface of riser pipe.	2.49 ft.
Thickness of Surface Seal	4.0 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete/Bentonite
Type of Protective Casing	Steel Protective
Inside Diameter of Protective Casing	4.0 in.
Depth of Bottom of Protective Casing	1.6 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in. +/-
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	5.15 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	9.95 ft.
Depth of Bottom of Borehole	10.0 ft.

Remarks:

Well No. B279-OW

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B279-OW	GROUND/TOP OF CASING ELEVATION: 410.70/413.19	FILE NO. 70185-42 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
11/02/90	0800	17 hrs.	7.14 ft.	406.05	Time from installation	WL
11/02/90	0820	20 min.	6.70 ft.	406.49		WL
11/02/90	1645	8 hrs.	6.24 ft.	406.95		WL
11/06/90	1130	4 days	6.24 ft.	406.95	Prior to development (dev. 1.0 hr./8 gal.)	WL
11/07/90	1109	1 day	6.14 ft.	407.05		WL
1/24/91	0900	79 days	5.61 ft.	407.58		MJC

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT: ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.: 70185-42
LOCATION: EAST SYRACUSE, NEW YORK	WELL NO.: B280-OW
CLIENT: NIXON HARGRAVE DEVANS & DOYLE	LOCATION: See Plan
CONTRACTOR: PARRATT-WOLFF, INC.	
DRILLER: D. RICHMOND RIG TYPE:	SHEET: 1 OF 2
INSTALLATION DATE: 1 NOVEMBER 1990	INSPECTOR: W. Lanik

Survey
Datum NGVD

Ground
Elevation: 407.21

SUMMARIZED SOIL CONDITIONS

-FILL-	0.0 ft.
1.0 ft.	
BURIED -TOPSOIL-	
2.2 ft.	
-LACUSTRINE-	
-CONCRETE-	
2.0 ft.	
-BENTONITE PELLETS-	
4.0 ft.	
-QUARTZ SAND-	
10.0 ft.	

Stickup above ground surface of protective casing.	3.00 ft.
Stickup above ground surface of riser pipe.	2.80 ft.
Thickness of Surface Seal	4.0 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete/Bentonite
Type of Protective Casing	Steel Protective
Inside Diameter of Protective Casing	4.0 in.
Depth of Bottom of Protective Casing	1.3 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in. +/-
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	5.72 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	9.72 ft.
Depth of Bottom of Borehole	10.0 ft.

Remarks:

Well No. B280-OW

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B2B0-OW	GROUND/TOP OF CASING ELEVATION: 407.21/410.01	FILE NO. 7018S-42 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
11/01/90	1400	2 hrs.	4.20 ft.	405.81	Time from installation	WL
11/05/90	0830	4 days	4.39 ft.	405.62		WL
11/06/90	1150	1 day	4.01 ft.	406.00	Prior to development (dev. 1.0 hrs./17 gal.)	WL
11/07/90	1111	1 day	4.17 ft.	405.84		WL
1/24/91	0800	79 days	4.09 ft.	405.92		MJC

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.:	70185-42
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B281-OW
CLIENT:	NIXON HARGRAVE DEVANS & DOYLE	LOCATION:	See Plan
CONTRACTOR:	PARRATT-WOLFF, INC.		
DRILLER:	D. RICHMOND RIG TYPE:	SHEET:	1 OF 2
INSTALLATION DATE:	5 NOVEMBER 1990	INSPECTOR:	W. Lanik

Survey
Datum NGVD

Ground
Elevation: 420.13

SUMMARIZE SOIL CONDITIONS not to scale

-FILL-	0.0 ft.
	-CONCRETE-
	2.0 ft.
2.2 ft.	-BENTONITE PELLETS-
	4.0 ft.
-GLACIAL TILL-	-QUARTZ SAND-
	10.0 ft.

Stickup above ground surface of protective casing.	3.32 ft.
Stickup above ground surface of riser pipe.	3.10 ft.
Thickness of Surface Seal	4.0 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete/Bentonite
Type of Protective Casing	Steel Protective
Inside Diameter of Protective Casing	4.0 in.
Depth of Bottom of Protective Casing	1.0 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in. +/-
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	4.80 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	9.90 ft.
Depth of Bottom of Borehole	10.0 ft.

Remarks:

Well No. B281-OW

FOIL205201

NEA OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B281-OW	GROUND/TOP OF CASING ELEVATION: 420.13/423.23	FILE NO. 70185-42 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
11/06/90	1015	1 day	3.20 ft.	420.03	Time from installation prior to development. (dev. 1.0 hr/19 gal)	WL
11/06/90	1500	5 hrs.	5.40 ft.	417.83		WL
11/07/90	1145	1 day	3.68 ft.	419.55		WL
1/24/91	0845	79 days	4.45 ft.	418.78		MJC

FOIL205202

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.:	70185-42
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B286-OW
CLIENT:	NIXON HARGRAVE DEVANS & DOYLE	LOCATION:	See Plan
CONTRACTOR:	PARRATT-WOLFF, INC.		
DRILLER:	D. RICHMOND RIG TYPE:	SHEET:	1 OF 2
INSTALLATION DATE:	5 NOVEMBER 1990	INSPECTOR:	W. Lanik

Survey Datum NGVD

Ground Elevation: 414.24

SUMMARIZE SOIL CONDITIONS

-FILL- 0.5 ft.

-GLACIAL TILL-

0.0 ft.

-CONCRETE-

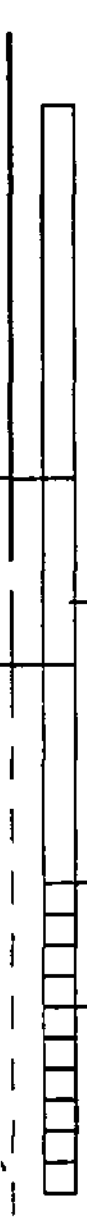
2.0 ft.

-BENTONITE PELLETS-

4.0 ft.

-QUARTZ SAND-

10.0 ft.



Stickup above ground surface of protective casing.	2.35 ft.
Stickup above ground surface of riser pipe.	2.10 ft.
Thickness of Surface Seal	4.0 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete/Bentonite
Type of Protective Casing	Steel Protective
Inside Diameter of Protective Casing	4.0 in.
Depth of Bottom of Protective Casing	1.95 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in. +/-
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	4.47 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	9.47 ft.
Depth of Bottom of Borehole	10.0 ft.

Remarks:

Well No. B286-OW

FOIL205203

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B286-OW	GROUND/TOP OF CASING ELEVATION: 414.24/416.34	FILE NO. 70185-42 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
11/05/90	1500	---	Dry	---	Installation completed	WL
11/07/90	1055	2 days	9.90 ft.	406.44	Prior to development (dev. 1/2 hrs/1.5 gal-dry)	WL
11/09/90	1440	2 days	10.15 ft.	406.19		WL
1/24/91	0915	77 days	4.45 ft.	411.89		MJC

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.:	70185-42
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B287-OW
CLIENT:	NIXON HARGRAVE DEVANS & DOYLE	LOCATION:	See Plan
CONTRACTOR:	PARRATT-WOLFF, INC.		
DRILLER:	D. RICHMOND RIG TYPE:	SHEET:	1 OF 2
INSTALLATION DATE:	2 NOVEMBER 1990	INSPECTOR:	W. Lanik

Survey Datum NGVD

Ground Elevation: 412.98

SUMMARIZE SOIL CONDITIONS (not to scale)

Depth	Material	Depth
0.0 ft.	-CONCRETE-	
0.5 ft.	-QUARTZ SAND-	
1.5 ft.	-BENTONITE PELLETS-	
2.5 ft.	-QUARTZ SAND-	
5.0 ft.	-GLACIAL TILL-	
10.0 ft.		

Stickup above ground surface of protective casing.	0.00 ft.
Depth below ground surface of riser pipe.	0.28 ft.
Thickness of Surface Seal	0.5 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete/Bentonite
Type of Protective Casing	Roadway Box
Inside Diameter of Protective Casing	9.0 in.
Depth of Bottom of Protective Casing	0.6 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in. +/-
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	2.95 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	9.95 ft.
Depth of Bottom of Borehole	10.0 ft.

Remarks:

Well No. B287-OW

FOIL205205

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B287-OW	GROUND/TOP OF CASING ELEVATION: 419.98/412.70	FILE NO. 70185-42 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
11/02/90	1300	1 hr.	Dry	---	Time from installation	WL
11/05/90	1000	3 days	0.40 ft.	412.30		WL
11/06/90	1030	1 day	0.20 ft.	412.50	Prior to development (dev. 4 gal/0.25 hrs.-clean)	WL
11/07/90	1040	1 day	0.62 ft.	412.08		WL
11/08/90	1350	1 day	0.66 ft.	412.04		WL
1/24/91	1015	78 days	1.87 ft.	410.83		MJC

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORPORATION - PHASE II	FILE NO.:	70185-42
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B290-OW
CLIENT:	NIXON HARGRAVE DEVANS & DOYLE	LOCATION:	See Plan
CONTRACTOR:	PARRATT-WOLFF, INC.		
DRILLER:	D. RICHMOND RIG TYPE:	SHEET:	1 OF 2
INSTALLATION DATE:	5-6 NOVEMBER 1990	INSPECTOR:	W. Lanik

Survey Datum N: [illegible]

Ground Elevation: 411.70

SUMMARIZE SOIL CONDITIONS

Soil Type	Depth
-FILL-	0.0 ft.
-CONCRETE-	0.5 ft.
-BENTONITE PELLETS-	1.5 ft.
-LACUSTRINE-	2.3 ft.
-QUARTZ SAND-	4.0 ft.
-GLACIAL TILL-	10.5 ft.

Stickup above ground surface of protective casing.	2.90 ft.
Stickup above ground surface of riser pipe.	2.80 ft.
Thickness of Surface Seal	1.5 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete/Bentonite
Type of Protective Casing	Steel Protective
Inside Diameter of Protective Casing	4.0 in.
Depth of Bottom of Protective Casing	1.4 in.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	8.0 in. +/-
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	1.7 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	10.4 ft.
Depth of Bottom of Borehole	10.5 ft.

Remarks:

Well No. B290-OW

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B290-OW	GROUND/TOP OF CASING ELEVATION: 411.70/414.50	FILE NO. 70185-42 PAGE NO. 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
11/06/90	0900	---	5.60 ft.	408.90	Installation completed prior to development. (dev. 1 hr/60 gal.)	WL
11/06/90	1000	1 hr.	5.67 ft.	408.83		WL
11/07/90	0800	1 day	5.70 ft.	408.80		WL
11/09/90	0930	2 days	5.72 ft.	408.78		WL
1/24/91	0920	77 days	5.60 ft.	408.90		MJC

TOIE205208

H&A OF NEW YORK
CONSULTING GEOTECHNICAL ENGINEERS
GEOLOGISTS AND HYDROGEOLOGISTS

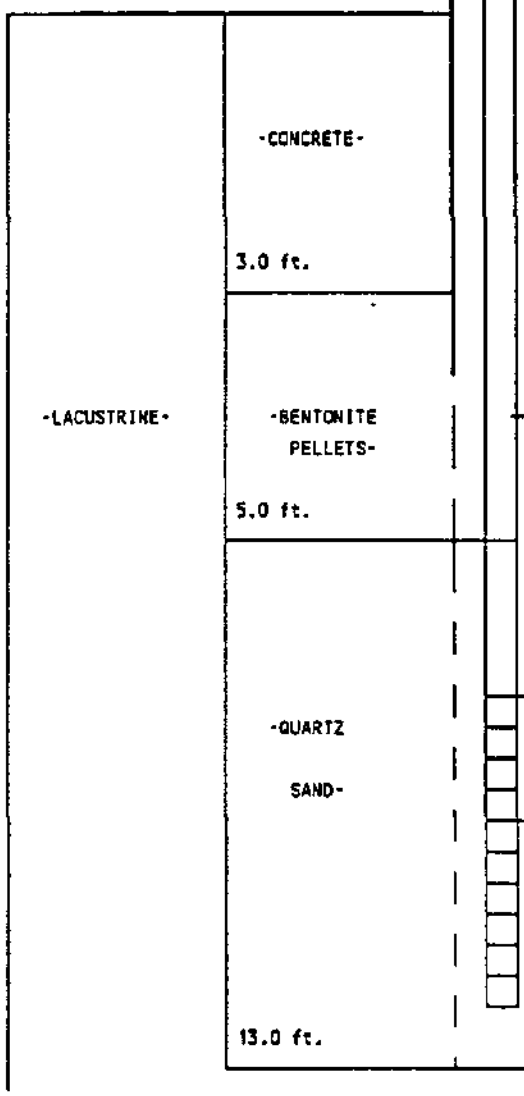
OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORP. - PHASE II	FILE NO.:	70185-42
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B291-OW
CLIENT:	NIXON, HARGRAVE, DEVANS AND DOYLE	LOCATION:	SEE PLAN
CONTRACTOR:	PARRATT-WOLF, INC.		
DRILLER:	B. WATERS RIG TYPE: ATV, TRACK-MOUNTED	SHEET:	1 OF 2
INSTALLATION DATE:	22 JANUARY 1991	H&A REP:	M. CORRIGAN

Survey Datum NGVD

Ground Elevation: 406.06

SUMMARIZE SOIL CONDITIONS



Stickup above ground surface of protective casing.	2.00 ft.
Stickup above ground surface of riser pipe.	1.75 ft.
Thickness of Surface Seal	5.0 ft.
Type of Surface Seal (indicated all seals showing depth, thickness and type)	Concrete/Bentonite
Type of Protective Casing	Steel Protective
Inside Diameter of Protective Casing	4.0 in.
Depth of Bottom of Protective Casing	2.0 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	4.0 in.
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	7.48 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	12.48 ft.
Depth of Bottom of Borehole	13.0 ft.

Remarks:

Well No. B291-OW

FOIL205209

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B291-OW	GROUND/TOP OF CASING ELEVATION: 407.81	FILE NO. 70185-42 PAGE NO. 2 OF 2

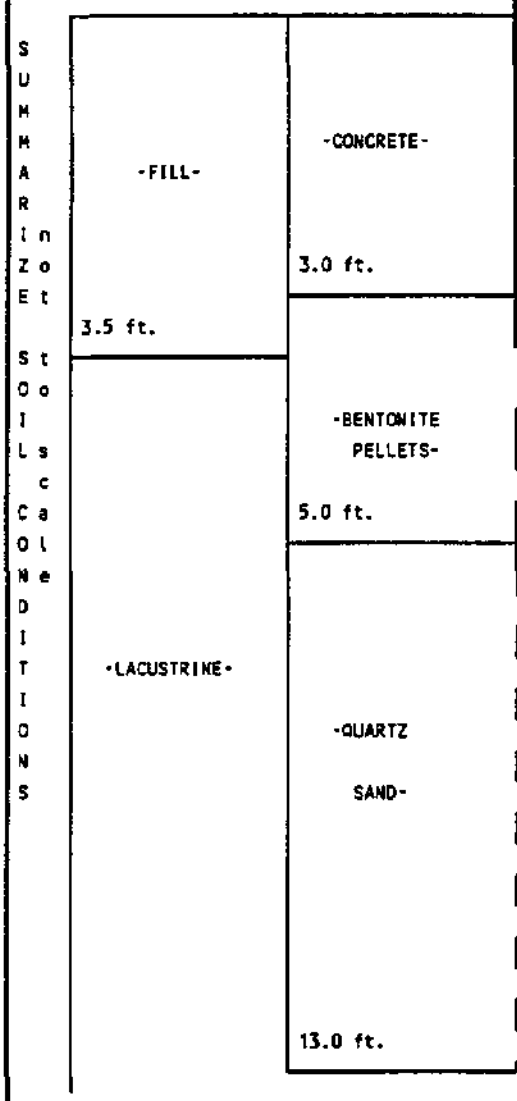
DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
1/24/91	0900	2 days	2.62	405.19	PVC stickup 1.75 ft. above ground surface.	HJC

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORP. - PHASE II	FILE NO.:	70185-42
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B292-OW
CLIENT:	NIXON, HARGRAVE, DEVANS AND DOYLE	LOCATION:	SEE PLAN
CONTRACTOR:	PARRATT-WOLF, INC.		
DRILLER:	B. WATERS RIG TYPE: MOBILE B-56, TRUCK-MOUNTED	SHEET:	1 OF 2
INSTALLATION DATE:	22 JANUARY 1991	H&A REP:	M. CORRIGAN

Survey Datum NGVD

Ground Elevation: 409.50



Stickup above ground surface of protective casing.	2.30 ft.
Stickup above ground surface of riser pipe.	2.11 ft.
Thickness of Surface Seal	5.0 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete/Bentonite
Type of Protective Casing	Steel Protective
Inside Diameter of Protective Casing	4.0 in.
Depth of Bottom of Protective Casing	1.7 ft.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	4.0 in.
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	7.16 ft.
Type of Wellscreen	PVC
Screen Slot Size	.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	12.16 ft.
Depth of Bottom of Borehole	13.0 ft.

Remarks:

Well No. B292-OW

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B292-OW	TOP OF CASING ELEVATION: 411.61	FILE NO. 70185-42 PAGE NO. 2 OF 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
1/21/91	1145	---	9.98 ft.	401.63	Riser 2.11 ft. above ground surface	MJC
1/22/91	0910	21 hr.	5.7 ft.	405.91		MJC
1/22/91	1315	25 hr.	4.8 ft.	406.81		MJC
1/24/91	0908	3 days	5.05 ft.	405.56		MJC

FOIL205842

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	OVERBURDEN GROUNDWATER MONITORING WELL REPORT

PROJECT:	ROTH BROS. SMELTING CORP. - PHASE II	FILE NO.:	70185-42
LOCATION:	EAST SYRACUSE, NEW YORK	WELL NO.:	B293-OW
CLIENT:	NIXON, HARGRAVE, DEVANS AND DOYLE	LOCATION:	SEE PLAN
CONTRACTOR:	PARRATT-WOLF, INC.		
DRILLER:	B. WATERS RIG TYPE: ATV, TRACK-MOUNTED	SHEET:	1 OF 2
INSTALLATION DATE:	22 JANUARY 1991	H&A REP:	M. CORRIGAN

Survey Datum NGVD

Ground Elevation: 407.47

SUMMARIZE SOIL CONDITIONS

-LACUSTRINE-

-CONCRETE-

3.0 ft.

-BENTONITE PELLETS-

5.0 ft.

-QUARTZ SAND-

13.0 ft.

Stickup above ground surface of protective casing.	1.82 ft.
Stickup above ground surface of riser pipe.	1.63 ft.
Thickness of Surface Seal	5.0 ft.
Type of Surface Seal [indicated all seals showing depth, thickness and type]	Concrete/Bentonite
Type of Protective Casing	Steel Protective
Inside Diameter of Protective Casing	4.0 in.
Depth of Bottom of Protective Casing	2.18 in.
Inside Diameter of Riser Pipe	2.0 in.
Type of Backfill Around Riser	Quartz Sand
Diameter of Borehole	4.0 in.
Type of coupling (threaded, welded, etc.)	Threaded
Depth of Bottom of Riser	7.26 ft.
Type of Wellscreen	PVC
Screen Slot Size	0.01 in.
Diameter of Wellscreen	2.0 in.
Type of Backfill Around Wellscreen	Quartz Sand
Depth of Bottom of Wellscreen	12.26 ft.
Depth of Bottom of Borehole	13.0 ft.

Remarks:

Well No. B293-OW

H&A OF NEW YORK CONSULTING GEOTECHNICAL ENGINEERS GEOLOGISTS AND HYDROGEOLOGISTS	GROUNDWATER LEVEL MONITORING REPORT

WELL NUMBER: B293-OW	TOP OF CASING ELEVATION: 409.10	FILE NO. 70185-42 PAGE NO. 2 OF 2

DATE	TIME	ELAPSED TIME	DEPTH OF WATER FROM T.O.R.	ELEVATION OF WATER	REMARKS	READ BY
1/24/91	0915	2 days	5.10 ft.	404.00	PVC stickup 1.63 ft. above ground surface	MJC

Attachment H

**Analytical Results
from Phase II Investigation
of Plant No. 1**

Source: Reference 55

General Testing Corporation

A Full Service Environmental Laboratory

RECEIVED
DEC 28 1990
H & A of New York

DEC. 26 1990

Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Re: Syracuse - Round II

Dear Ms. Elizabeth Henderson

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Tracey G. Hurtz

Tracey G. Hurtz
Client Representative

aa

Enc.

710 Exchange Street • Rochester, New York 14608 • (716) 454-3760 • Fax (716) 454-1245
85 Trinity Place • Hackensack, NJ 07601 • (201) 488-5242 • Fax (201) 488-6386
435 Lawrence Bell Drive • Amherst, NY 14221 • (716) 634-0454 • Fax (716) 634-9019

FOIL-205216

General Testing Corporation

DATA AND QUALITY CONTROL QUALIFIERS

U - Indicates compound was analyzed but was not observed at a quantifiable concentration.

J - Indicates an estimated value due to failure of QA/QC requirements

J Qualifiers (used in conjunction with J and/or QC page or chronology)

S - Surrogate recoveries outside of control limits

St - Surrogate recoveries outside of control limits, analysis repeated, same results obtained, matrix interference suspected

r - Laboratory replicates outside of laboratory advisory limits

t - Matrix interference suspected

h - Holding time exceeded for analysis

p - EPA-approved protocol has been amended upon client request

M - Matrix spike and/or matrix spike duplicate outside control limits

Mt - same as M
ORGANIC PARAMETERS: Matrix interference suspected, Organic reference standard was acceptable.

INORGANIC PARAMETERS: Matrix interference suspected, Repeat analysis still unacceptable

Mr - INORGANICS PARAMETERS: Matrix interference suspected, repeat analysis not conducted due to holding time limitations

B - Indicates that the analyte was found in the associated laboratory or field blank

B Qualifiers (used in conjunction with B)

l - Contamination in lab or method blank

t - Contamination in trip blank

x - Contamination in two or more types of blanks (i.e. Lab or Method, Trip, Equipment, or Field Filtration Blank)

e - Contamination in equipment blank

f - Contamination in field filtration blank

d - Results multiplied by dilution factor

MISCELLANEOUS QC AND DATA QUALIFIERS

ND - Not Detectable

*+ - No limits currently established

D - Surrogate standard diluted out

V - Spiked recovery cannot be determined, sample value >4 times spike concentration

NC - Not Calculable

t - Surrogate Matrix Interference

NS - No Sample

** - See Attached Data

R - Sample re-analyzed outside of holding time

++ - Outside Laboratory acceptance limits (Blank Spikes, Ref. Spikes)

LE - Lab Error: No data available

NA - Not Analyzed

I - Insufficient sample to re-analyze

UP - Unable to perform analysis due to sample matrix

RC - Results confirmed via repeat analysis

General Testing Corporation

CASE NARRATIVE

JOB #: R90/4886
COMPANY: H & A-SYRACUSE ROUND II

Soil samples from H & A-Syracuse round II were analyzed for Phenolic compounds (Acid Extractables) using method 8270 from SW-846 and Total Cyanides by method 9012. These samples were taken on 11/09/90 and received by the laboratory on 11/10/90.

No analytical problems were encountered with the Acid Extractable analysis. Both Total and Soluble Cyanide analysis was performed. All data has been flagged "Jh" since the Cyanide analysis was outside the fourteen day holding due to a laboratory sample tracking error.

General Testing Corporation

A Full Service Environmental Laborato

LABORATORY REPORT

Job No: R90/04886 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse - Round II

Received : 11/10/90 P.O. #:

ANALYTICAL UNITS - mg/l

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B107-OW	B108-OW	B109-OW	B109-OW	Blank	B107-OW	B108-OW	B109-OW
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90
Time Collected:	11:35	11:30	11:15	11:20	11:10	11:35	11:30	11:15
Cyanide, Soluble						0.010 UJh	0.010 UJh	0.010 UJh
Cyanide, Total	0.010 UJh	0.010 UJh	0.010 UJh	0.010 UJh	0.010 UJh			
Acid Exctractables	**	**	**	**	**			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04886 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse - Round II

Received : 11/10/90 P.O. #:

ANALYTICAL UNITS - mg/l

Sample:	-009	-010						
Location:	B109-CW	Blank						
Date Collected:	11/09/90	11/09/90						
Time Collected:	11:20	11:10						
Cyanide, Soluble	0.010 UJh	0.010 UJh						
Cyanide, Total								
Acid Extractables								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K Perry

Laboratory Director

FOIL205220

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04886 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round II

Received : 11/10/90 P.O. #:

HSL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B107-OW	B108-OW	B109-OW	B109-OW	Blank	B107-OW	B108-OW	B109-OW
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90
Time Collected:	11:35	11:30	11:15	11:20	11:10	11:35	11:30	11:15
Date Extracted:	11/13/90	11/13/90	11/13/90	11/13/90	11/13/90			
Date Analyzed:	11/17/90	11/17/90	11/17/90	11/17/90	11/17/90			
Phenol	10 U	10 U	10 U	10 U	10 U			
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U			
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U			
2,4-Dimethylphenol	10 U	10 U	10 U	10 U	10 U			
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U			
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U			
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U			
2,4-Dinitrophenol	20 U	20 U	20 U	20 U	20 U			
4-Nitrophenol	20 U	20 U	20 U	20 U	20 U			
2-Methyl-4,6-dinitrophenol	20 U	20 U	20 U	20 U	20 U			
Pentachlorophenol	20 U	20 U	20 U	20 U	20 U			
2-Methylphenol	10 U	10 U	10 U	10 U	10 U			
4-Methylphenol	10 U	10 U	10 U	10 U	10 U			
Benzoic Acid	50 U	50 U	50 U	50 U	50 U			
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04886 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round II

Received : 11/10/90 P.O. #:

SURROGATE RECOVERIES / EPA METHOD 8270* ANALYTICAL RESULTS - %

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B107-OW	B108-OW	B109-OW	B109-OW	Blank	B107-OW	B108-OW	B109-OW
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90
Time Collected:	11:35	11:30	11:15	11:20	11:10	11:35	11:30	11:15
ACIDS								
2-Fluorophenol (Acceptance Limits: 21-100%)	50%	54%	51%	54%	56%			
Phenol-d6 (Acceptance Limits: 10-94%)	43%	45%	44%	46%	47%			
2,4,6-TriBromophenol (Acceptance Limits: 10-123%)	74%	115%	73%	70%	65%			

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K Perry

Laboratory Director

FOIL205222

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04886 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round II

Received : 11/10/90 P.O. #:

HSL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-009	-010						
Location:	B109-OW	Blank						
Date Collected:	11/09/90	11/09/90						
Time Collected:	11:20	11:10						
Date Extracted:								
Date Analyzed:								
Phenol								
2-Chlorophenol								
2-Nitrophenol								
2,4-Dimethylphenol								
2,4-Dichlorophenol								
4-Chloro-3-methylphenol								
2,4,6-Trichlorophenol								
2,4-Dinitrophenol								
4-Nitrophenol								
2-Methyl-4,6-dinitrophenol								
Pentachlorophenol								
2-Methylphenol								
4-Methylphenol								
Benzoic Acid								
2,4,5-Trichlorophenol								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K Perry

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04886 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round II

Received : 11/10/90 P.O. #:

SURROGATE RECOVERIES / EPA METHOD 8270* ANALYTICAL RESULTS - %

Sample:	-009	-010						
Location:	B109-OW	Blank						
Date Collected:	11/09/90	11/09/90						
Time Collected:	11:20	11:10						
ACIDS								
2-Fluorophenol (Acceptance Limits: 21-100%)								
Phenol-d6 (Acceptance Limits: 10-94%)								
2,4,6-TriBromophenol (Acceptance Limits: 10-123%)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

FOIL205224

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04886 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round II

Received : 11/10/90 P.O. #:

HSL ACID EXTRACTABLES BY EPA METHOD 8270* ANALYTICAL RESULTS - ug/l

Sample:	-011						
Location:	Lab Meth. Blank						
Date Collected:	--						
Time Collected:	--						
Date Extracted:	11/13/90						
Date Analyzed:	11/17/90						
Phenol	10 U						
2-Chlorophenol	10 U						
2-Nitrophenol	10 U						
2,4-Dimethylphenol	10 U						
2,4-Dichlorophenol	10 U						
4-Chloro-3-methylphenol	10 U						
2,4,6-Trichlorophenol	10 U						
2,4-Dinitrophenol	20 U						
4-Nitrophenol	20 U						
2-Methyl-4,6-dinitrophenol	20 U						
Pentachlorophenol	20 U						
2-Methylphenol	10 U						
4-Methylphenol	10 U						
Benzoic Acid	50 U						
2,4,5-Trichlorophenol	10 U						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael R Ferry

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04886 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round II

Received : 11/10/90 P.O. #:

SURROGATE RECOVERIES / EPA METHOD 8270* ANALYTICAL RESULTS - %

Sample:	-011							
Location:	Lab Meth. Blank							
Date Collected:	--							
Time Collected:	--							
ACIDS								
2-Fluorophenol (Acceptance Limits: 21-100%)	50%							
Phenol-d6 (Acceptance Limits: 10-94%)	41%							
2,4,6-TriBromophenol (Acceptance Limits: 10-123%)	68%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04886 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse - Round II

Date Received: 11/10/90

Date Sample Taken: 11/09/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-001	-002	-003	-004	-005	-006	-007	-008	-009
Location:	B107-OW	B108-OW	B109-OW	B109-OW	Blank	B107-OW	B108-OW	B109-OW	B109-OW
Cyanide, Soluble						11/29/90	11/29/90	11/29/90	11/29/90
Cyanide, Total	11/29/90	11/29/90	11/29/90	11/29/90	11/29/90				
Acid Extractables	11/17/90	11/17/90	11/17/90	11/17/90	11/17/90				

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04886 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse - Round II

Date Received: 11/10/90

Date Sample Taken: 11/09/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample: Location:	-010 Blank								
Cyanide, Soluble	11/29/90								
Cyanide, Total									
Acid Extractables									

FOIL205228

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

FILE NO. 7 0 1 8 5 4 1
ECT Syracuse Site
CONTACT Elizabeth Henderson

LABORATORY General Testing
ADDRESS
CONTACT

DELIVERY DATE 11-9-90
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS EH

HCA PLE NO.	LABORATORY SAMPLE NO. R10/9886	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O & G	Phenols EPA-8270	Cyanide (filtered)	Cyanide (non-filtered)		NO. OF CONTAINERS	COMMENTS (Special Instructions, cautions, etc.)
07-OW	001-006	11-9-90	1135		water							✓	✓	✓		3	
08-OW	002-007		1130									✓	✓	✓		3	
09-OW	003-008		1115									✓	✓	✓		3	
09-OW	004-009		1120									✓	✓	✓		3	Duplicate
ANK	005-010		1110									✓	✓	✓		3	
...c'd in-lab:																	
			11/10 @ 0800														

Sampled and Relinquished by: Margaret J. Conga, Margaret J. Conga, H. Hoffman, 11-9-90 Time 1620

I. Received by: Sign K. Riner; Print K. Riner; Firm General Testing; Date 11/9/90 Time 4 Pm

Relinquished by: Time

II. Received by: Sign; Print; Firm; Date Time

Relinquished by: Time

III. Received by: Sign; Print; Firm; Date Time

Relinquished by: Time

IV. Received by: Sign; Print; Firm; Date Time

Evidence Samples tampered with? ☐ No ☐ Yes

Yes, explain in remarks.

	VOA	ABN	METALS	PEST/PCB	PET. ID	O & G	Phenols EPA-8270	Cyanide (filtered)	Cyanide (non-filtered)		
LIQUID: VOA Vial											
Glass Bottle							1				
Plastic Bottle								1	1		
Preservative							A	A	D NaOH		
Container Volume							1 Liter	1/2 GAL	1 Quart		
SOLID: VOA Vial											
Glass Jar											
Plastic Jar											
Preservative											
Container Volume											

Note: Sample bottles supplied by lab, unless indicated.

PRESERVATION KEY: A Sample chilled, B Filtered, C Acidified with ____, D - NaOH, E - NaThiosulfate, F Other

REMARKS: (Sample storage, nonstandard sample bottles)

cyanide samples were field filtered

6-10 = soluble CN

1-5 = TCN & 8270

rg.

Attachment I

**Analytical Results
from Phase I Investigation
of Plant No. 2**

Source: Reference 56

TABLE II
ROTH BROS. SMELTING CORP. - PLANT 2
SUMMARY OF SURFACE AND STREAM SEDIMENT SAMPLING

LOCATION	DATE	SAMPLE NO.	TYPE	DESCRIPTION	SAMPLE DEPTH (FT)
OUTFALL 001	08/28/90	SDS-1-1A	Stream Sediment	Dark brown CINDER and BRICK PARTICLES.	0.5 - 1.0
	08/28/90	SDS-1-1B	Stream Sediment	Duplicate of 1A.	0.5 - 1.0
	08/28/90	SDS-1-2	Stream Sediment	Black organic SILT.	0.5 - 1.0
	08/28/90	SDS-1-3	Stream Sediment	Brown organic sandy SILT.	0.5 - 1.0
	08/28/90	SDS-1-4	Stream Sediment	Dark brown organic SILT.	0.5 - 1.0
	08/28/90	SDS-1-5	Stream Sediment	Dark brown sandy SILT, trace organics.	0.5 - 1.0
OUTFALL 002	08/22/90	SDS-2-1	Stream Sediment	Dark brown organic SILT.	0.0 - 0.5
	08/22/90	SDS-2-2	Stream Sediment	Dark brown organic SILT.	0.0 - 0.5
	08/22/90	SDS-2-3	Stream Sediment	Dark brown organic SILT.	0.0 - 0.5
	08/22/90	SDS-2-4	Stream Sediment	Dark brown organic SILT.	0.0 - 0.5
	08/22/90	SDS-2-5	Stream Sediment	Dark brown organic SILT.	0.0 - 0.5
LEAD SMELT BAGHOUSE	08/23/90	LBS-1A	Soil/Fill	Brown and black SILT (0.0-0.8ft.) Gray-brown sandy GRAVEL (0.8-1.5ft.)	0.5 - 1.5
	08/23/90	LBS-1B	Soil/Fill	Duplicate of 1A.	0.5 - 1.5
	08/23/90	LBS-2	Soil/Fill	Brown gravelly SILT.	0.5 - 1.5
	08/23/90	LBS-3	Soil/Fill	Red-brown gravelly SILT.	0.5 - 1.5
FORMER SUBSTATION	08/28/90	TSS-1	Soil/Fill	Gray-brown GRAVEL, trace sand.	0.5 - 1.0
SOUTH OF PLANT 2	08/28/90	SGB-1	Background Soil	Dark brown gravelly SILT (0.0-0.5ft.) Light brown sandy SILT, little gravel(0.5-1.0ft.)	0.5 - 1.0
NORTH OF FILL AREA	08/28/90	NGB-1	Native Soil	Dark to light brown SILT, trace organics.	0.7 - 1.0
		NGB-2	Native Soil	Dark to light brown SILT, trace organics.	0.5 - 1.0
		NGB-3	Native Soil	Dark to light brown SILT, trace organics.	0.8 - [illegible]

edh:70185-40\p2-tab2

FILE NO. 70185-40

H & A OF NEW YORK
ROCHESTER, NEW YORK

TABLE III
ROTH BROS. SMELTING CORP.
PLANT 2

SUMMARY OF LABORATORY ANALYTICAL DATA

LOCATION	SAMPLE NO.	LEAD TOTAL	LEAD TCLP	CHROMIUM TOTAL	CHROMIUM TCLP	CADMIUM TOTAL	CADMIUM TCLP	GREASE AND OIL	PCBs 1242	PCBs 1248	PCBs 1254	PCBs 1260	PCBs TOTAL	
FILL AREA	TP01-J1	10900	ND	121.0	ND	45.10	ND	1380	ND	8.90	ND	ND	8.90	D
	TP02-J1	25100	ND	23.4	ND	5.00	ND	300	ND	1.08	0.553	ND	1.613	
	TP03-J1	18.8	ND	18.4	ND	2.00	ND	126	ND	ND	ND	ND	ND	
	TP05-J1	157.0	ND	19.7	ND	2.10	ND	284	ND	0.128	ND	ND	0.128	
	TP06-J1	219.0	14.30	13.2	ND	2.30	ND	398	ND	1.56	ND	ND	1.56	
	TP07-J1	140.0	12.90	39.5	ND	5.80	ND	938	ND	204	ND	ND	204	D
	TP08-J1	390.0	1.290	78.8	ND	10.20	ND	756	ND	4.15	ND	ND	4.15	D
	TP09-J1	16.0	ND	17.7	ND	1.78	ND	418	ND	ND	ND	ND	ND	
	TP10-J1	21.8	ND	16.8	ND	1.48	ND	496	ND	ND	ND	ND	ND	
	TP11-J1	325	0.203	282.9	ND	6.24	ND	1458	ND	0.933	0.447	ND	1.380	
	TP12-J1A	14300	ND	243.0	ND	63.60	ND	1600	7.87	ND	2.48	ND	10.35	D
	TP12-J1B*	10400	ND	224.0	ND	62.00	ND	137	8.87	ND	2.07	ND	10.94	D
	TP18-J1	2980	0.131	44.0	ND	10.80	ND	ND	0.089	ND	0.241	ND	0.330	
	J8265	1600	1.100	85.0	ND	13.00	0.160	NA	NA	NA	NA	NA	ND	
	J8266	1400	0.520	80.0	ND	13.00	0.120	NA	NA	NA	NA	NA	ND	
	J8267	2600	1.600	91.0	ND	11.00	0.092	NA	NA	NA	NA	NA	ND	
	J8268	5400	1.200	120.0	ND	11.00	0.024	NA	NA	NA	NA	NA	ND	
OUTFALL 001	SDS-1-1A	3160	17.70	157.0	ND	30.60	0.160	1456	ND	ND	2.35	ND	2.35	D
	SDS-1-1B*	4540	36.20	150.0	ND	24.90	0.260	1480	ND	ND	ND	ND	ND	JSt
	SDS-1-2	438	0.619	19.7	ND	5.19	ND	641	ND	ND	ND	ND	ND	
	SDS-1-3	5250	3.620	22.8	ND	15.30	ND	1440	ND	0.333	0.773	ND	1.106	
	SDS-1-4	3860	0.142	29.7	ND	22.80	ND	1530	0.548	ND	0.339	ND	0.887	
	SDS-1-5	214	11.60	64.7	ND	68.80	0.630	5750	0.542	ND	0.435	ND	0.977	
	J8269	7600	7.200	43.0	ND	40.00	0.420	NA	6.80	ND	1.60	ND	8.50	
OUTFALL 002	SDS-2-1	384	ND	11.4	ND	7.90	ND	4480	ND	ND	ND	ND	ND	DR
	SDS-2-2	2060	ND	22.8	ND	13.10	ND	42500	ND	ND	ND	ND	ND	DR
	SDS-2-3	1460	0.158	13.9	ND	11.40	ND	25100	ND	ND	ND	ND	ND	
	SDS-2-4	1980	0.474	19.9	ND	15.50	ND	92800	0.800	ND	ND	ND	0.800	
	SDS-2-5	1530	ND	16.3	ND	8.93	ND	37800	1.33	ND	ND	ND	1.33	
	J8272	7300	1.100	54.0	ND	34.00	0.038	NA	4.00	ND	ND	ND	4.00	
	J8274	NA	NA	NA	NA	NA	NA	100000	NA	NA	NA	NA	ND	
BAGHOUSE AREA	LBS-1A	4300	0.385	9.8	ND	2570.00	ND	810	ND	ND	ND	ND	ND	
	LBS-1B*	4440	ND	13.4	ND	36.50	ND	880	ND	ND	ND	ND	ND	
	LBS-2	384	ND	18.9	ND	5.70	ND	439	ND	0.947	ND	ND	0.947	D
	LBS-3	287	5.07	17.5	ND	6.70	ND	2230	ND	15.0	ND	ND	15.0	D
	J8271	220000	12.0	170.0	ND	280.00	0.300	NA	NA	NA	NA	NA	ND	
MAINTENANCE AREA	TP-22	8460	ND	52.7	ND	30.10	ND	22600	ND	ND	6.98	ND	6.98	D
	TP-23	1160	ND	37.1	ND	14.60	ND	5160	ND	ND	0.834	ND	0.834	D
	TP-24A	3810	0.337	84.0	ND	58.60	ND	3075	ND	ND	1.63	ND	1.63	D
	TP-24B*	4690	ND	108.0	ND	63.20	ND	3840	ND	ND	1.71	ND	1.71	D
PLANT 2 - SW CORNER	TP-25	72.7	ND	13.4	ND	1.38	ND	166	ND	ND	ND	ND	ND	
NATIVE SOIL	NGB-1	6.7	ND	12.8	ND	ND	ND	1805	ND	ND	ND	ND	ND	
	NGB-2	14.6	ND	24.0	ND	ND	ND	137	ND	0.897	ND	ND	0.897	
	NGB-3	ND	ND	21.9	ND	ND	ND	166	ND	ND	ND	ND	ND	
BACKGROUND	SGB-1	7.7	ND	9.2	ND	1.30	ND	270	ND	ND	ND	ND	ND	
FORMER SUBSTATION	TSS-1	411	0.332	35.6	0.119	5.70	0.230	28800	ND	ND	ND	0.588	0.588	JSt
COMPARISON CRITERIA (2)	-	500	5.00	400	5.00	-	1.0	-	-	-	-	-	25	

NOTES:

1. Results presented in parts per million (ppm).
2. Outlined values represent concentrations which exceed comparison criteria. Comparison criteria consist of: 1) NYSDEC recommended cleanup goal; 2) EPA Health-based criteria; 3) EPA Regulatory Levels for Toxicity Characteristic Constituents; and 3) EPA 40 CFR Part 761 PCB Spill Cleanup policy, 1987.
3. ND indicates analyte not detected above laboratory detection limits.
4. TCLP: Toxicity Characteristic Leaching Procedure
5. * Indicates sample is a duplicate.
6. NA indicates analyte not tested for in that sample.
7. Samples J8265-J8269, J8271, J8272 and J8274 were analyzed by others prior to this investigation.
8. JSt = Surrogate recoveries outside of control limits, analysis repeated, same results obtained, interference suspected. Value is reported as an estimated value,due to failure of QA/QC requirements.
9. D = Surrogate standards diluted out due to high concentrations of PCBs detected in sample.
10. R = Sample re-analyzed outside of holding time.

edh:70185-40analyses

FILE NO. 70185-40

H & A OF NEW YORK
ROCHESTER, NEW YORK

General Testing Corporation

A Full Service Environmental Laboratory

October 11, 1990

Ms. Elizabeth Henderson
H&A of N.Y.
189 North Water Street
Rochester, N.Y. 14604

Re: Syracuse Project Report Number 2

Dear Ms. Henderson;

Enclosed please find General Testing's analytical report on samples received between August 22, 1990 and August 27, 1990. As you will note all data has been sorted out and now appears in the order in which you requested. All analytical results are shown in section A, with it's corresponding Quality Control and laboratory blanks are in section B. The analytical chronology is in section C with all pertinent field documentation found in Section D.

All data was provided via a faximille, and was reviewed prior to report submittal. If any questions or comments should arise, please contact me at (716) 454-3760.

Thank you once again for allowing General Testing the opportunity to provide these services.

Sincerely,

Tracey G. Hurtz
Client Representative

Enc.

000

710 Exchange Street • Rochester, New York 14608 • (716) 454-3760 • Fax (716) 454-1245
85 Trinity Place • Hackensack, NJ 07601 • (201) 488-5242 • Fax (201) 488-6386
435 Lawrence Bell Drive • Amherst, NY 14221 • (716) 634-0454 • Fax (716) 634-9019

General Testing Corporation

DATA AND QUALITY CONTROL QUALIFIERS

U - Indicates compound was analyzed but was not observed at a quantifiable concentration.

J - Indicates an estimated value due to failure of QA/QC requirements

J Qualifiers (used in conjunction with J and/or QC page or chronology)

S - Surrogate recoveries outside of control limits

St - Surrogate recoveries outside of control limits, analysis repeated, same results obtained, matrix interference suspected

r - Laboratory replicates outside of laboratory advisory limits

t - Matrix interference suspected

h - Holding time exceeded for analysis

p - EPA-approved protocol has been amended upon client request

M - Matrix spike and/or matrix spike duplicate outside control limits

Mt - same as M
ORGANIC PARAMETERS: Matrix interference suspected, Organic reference standard was acceptable.

INORGANIC PARAMETERS: Matrix interference suspected, Repeat analysis still unacceptable

Mr - INORGANICS PARAMETERS: Matrix interference suspected, repeat analysis not conducted due to holding time limitations

B - Indicates that the analyte was found in the associated laboratory or field blank

B Qualifiers (used in conjunction with B)

l - Contamination in lab or method blank

t - Contamination in trip blank

x - Contamination in two or more types of blanks (i.e. Lab or Method, Trip, Equipment,or Field Filtration Blank)

e - Contamination in equipment blank

f - Contamination in field filtration blank

d - Results multiplied by dilution factor

MISCELLANEOUS QC AND DATA QUALIFIERS

ND - Not Detectable

*+ - No limits currently established

D - Surrogate standard diluted out

V - Spiked recovery cannot be determined, sample value >4 times spike concentration

NC - Not Calculable

t - Surrogate Matrix Interference

NS - No Sample

** - See Attached Data

R - Sample re-analyzed outside of holding time

++ - Outside Laboratory acceptance limits (Blank Spikes, Ref. Spikes)

LE - Lab Error: No data available

NA - Not Analyzed

I - Insufficient sample to re-analyze

UP - Unable to perform analysis due to sample matrix

RC - Results confirmed via repeat analysis

General Testing Corporation

Syracuse
GTC Report # #2

A. Analytical Data

B. Qualaity Control

C. Chronology

D. Documentation

001

General Testing Corporation

Syracuse
GTC REPORT # #2

SECTION A

ANALYTICAL DATA

Presented in this section is analytical data for the parameters requested. The following references concerning units and analytical methodology apply to the data herein.

Units: as specified

Analytical Methodology Obtained From:

( ) Federal Register, 40 CFR Part 136, Guidelines Establishing Test Procedures for the analyses of Pollutants under the Clean Water Act, 10/26/84.

(X) SW-846, Test Methods for Evaluating Solid Waste, 3rd Edition, 9/86.

( ) Other

FOIL205236

General Testing Corporation

Case Narrative

H & A R90/3590

PCB Analysis

H & A soil samples, job number R90/3590, were analyzed for PCBs using method 8080 from SW-846. The samples were received on 8/22/90 and extracted on 8/24/90 using method 3550 (SW-846).

Due to high concentrations of PCBs detected in samples R90/3590 -001, -001MS, -001MSD, -006, and -007, the surrogate standard recovery was diluted out and reported as 'D'.

Due to the combination of several Arochlors present in these samples, quantitation was very difficult. This was caused by the overlapping of the PCB congeners present in both Arochlors detected. Only peaks with minimum interference were used for quantitation.

Inorganic Analysis

The above referenced samples were analyzed for Grease and Oil, Total Cadmium, Total Chromium, Total Lead, and TCLP Cadmium, Lead and Chromium. No analytical problems were encountered with these analyses.

General Testing Corporation

Case Narrative

H & A R90/3620

PCB Analysis

PCBs were analyzed in H & A soil samples using method 8080 from SW-846. Samples R90/3620-005 and -006 were initially extracted on 8/24/90, but were lost due to a lab accident. The samples were re-extracted on 9/18/90, outside of holding time, and the data has been flagged 'R' accordingly.

Samples R90/3620-008 and -009 had large amounts of interfering organics, even after the appropriate cleanups. Both samples had to be quantitated from the combination of a 1/10 and a 1/100 dilution.

The surrogate standard recovery could not be determined on samples R90/3620-001, -002, -005, and -006 due to dilutions of the sample due to interfering organics. The surrogate standard recovery has been flagged 'D'.

Due to the combination of several Arochlors present in these samples, quantitation was very difficult. This was caused by the overlapping of the PCB congeners present in each Arochlor; thus only peaks with minimum interference were used for quantitation.

Inorganic Analysis

No analytical problems were encountered with the Metals, or Grease and Oil analysis.

General Testing Corporation

Case Narrative

H & A R90/3632

PCB Analysis

H & A soil samples, job number R90/3632, were analyzed for PCBs using method 8080 from SW-846. The samples were received on 8/24/90 and extracted on 8/28-29/90 using method 3550 (SW-846).

Due to high concentrations of PCBs detected in samples R90/3632-004 and -005, the surrogate standard recovery could not be determined and was flagged 'D' for being diluted out.

The matrix spike recovery for sample R90/3632-004 was outside of QC limits for PCB 1254. The percent RPD for precision data was above advisory limits for PCB 1248. The reference spike recovery was acceptable for this job.

Due to the combination of several Arochlors present in these samples, quantitation was very difficult. This was caused by the overlapping of the PCB congeners present in both Arochlors detected. Only peaks with minimum interference were used for quantitation.

Inorganic Analysis

The above referenced samples were analyzed for Grease and Oil, Total Cadmium, Total Chromium, Total Lead, and TCLP Cadmium, Chromium and Lead. No analytical problems were encountered with these analyses.

General Testing Corporation

Case Narrative

H & A R90/3652

PCB Analysis

H & A soil samples, job number R90/3652, were analyzed for PCBs using method 8080 from SW-846. The samples were received on 8/25/90 and extracted on 8/28-29/90 using method 3550 (SW-846).

Due to high concentrations of PCBs detected in samples R90/3652 -001, -002, -003, -014, -015 and -017, the surrogate standard recovery could not be determined and was flagged 'D' for being diluted out.

The percent RPD for precision data was above advisory limits for PCB 1248-1254. The reference spike recovery was acceptable for this job, therefore the data was accepted.

Due to the combination of several Arochlors present in these samples, quantitation was very difficult. This was caused by the overlapping of the PCB congeners present in both Arochlors detected. Only peaks with minimum interference were used for quantitation.

Inorganic Analysis

The above referenced samples were analyzed for Grease and Oil, Total Cadmium, Total Chromium, Total Lead, and TCLP Cadmium, Chromium and Lead. No analytical problems were encountered with these analyses.

General Testing Corporation

Case Narrative: H&A R90/3671

PCB Analysis

H&A soil samples, job number R90/3671 were analyzed for PCB's using method 8080. The samples were received on 8/28/90 and extracted using method 3550 on 8/28/90.

Sample R90/3671-007 was originally extracted on 8/28/90 but was lost due to a Lab error and had to be re-extracted on 9/11/90.

The surragate recovery for tetrachloro-m-xylene (TCMX) was outside of control limits on samples R/3671-005 and 011.

Both samples were re-extracted and reanalyzed with the same results. The data has been flagged "JST" - meaning the surragates are out of control, analysis repeated, same results oabtained, matrix interference suspected.

The % recovery for surragate standard TCMX was diluted out on samples R90/3671-004, 004MS, and 004 MSD and is flagged "D".

The matrix spike recovery and the % RPD for the precision results were both outside of QC units for PCB1254 on sample R90/3671-004. The % recovery for PCB 1254 on the reference check was acceptable. The spike results on sample 004 were probably due to the PCB being unevenly mixed within the sample.

Inorganic Analysis

Grease and Oil, Cadmium, Chromium, Lead and TCLP Cadmium, Chromium and Lead were analysed using approved EPA methodologies. No analytical problems were encountered.

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590
Sample:	-001	-011	-002	-012	-003	-013	-004	-014
Location:	TP01-J1 4-5'	TP01-J1 4-5'	TP02-J1 4-5'	TP02-J1 4-5'	TP03-J1 3-4'	TP03-J1 3-4'	TP05-J1 2-3'	TP05-J1 2-3'
Date Collected:	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90
Time Collected:	09:30	09:30	10:30	10:30	11:30	11:30	12:30	12:30
Grease & Oil	1360		300		126		264	
Cadmium, Total	45.1		5.00		2.00		2.10	
Chromium, Total	121		23.4		15.4		19.7	
Lead, Total	10,900		25,100		16.9		157	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

No. 008

Michael K. Perry
Laboratory Director

FOIL205242

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590
Sample:	-001	-011	-002	-012	-003	-013	-004	-014
Location:	TP01-J1 4-5'	TP01-J1 4-5'	TP02-J1 4-5'	TP02-J1 4-5'	TP03-J1 3-4'	TP03-J1 3-4'	TP05-J1 2-3'	TP05-J1 2-3'
Date Collected:	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90
Time Collected:	09:30	09:30	10:30	10:30	11:30	11:30	12:30	12:30
TCLP Extraction Metals ***								
Cadmium		0.10 U		0.10 U		0.10 U		0.10 U
Chromium		0.100 U		0.100 U		0.100 U		0.100 U
Lead		0.50 U		0.50 U		0.100 U		0.100 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation

009

Michael K. Perry
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590
Sample:	-001	-011	-002	-012	-003	-013	-004	-014
Location:	TP01-J1 4-5'	TP01-J1 4-5'	TP02-J1 4-5'	TP02-J1 4-5'	TP03-J1 3-4'	TP03-J1 3-4'	TP05-J1 2-3'	TP05-J1 2-3'
Date Collected:	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90
Time Collected:	09:30	09:30	10:30	10:30	11:30	11:30	12:30	12:30
Date Extracted:	08/24/90		08/24/90		08/24/90		08/24/90	
Date Analyzed:	09/13/90		09/13/90		09/08/90		09/08/90	
PCB 1016	2000 U		2000 U		20.0 U		20.0 U	
PCB 1221	2000 U		2000 U		20.0 U		20.0 U	
PCB 1232	2000 U		2000 U		20.0 U		20.0 U	
PCB 1242	2000 U		2000 U		20.0 U		20.0 U	
PCB 1248	8900		1060		20.0 U		128	
PCB 1254	2000 U		553		20.0 U		20.0 U	
PCB 1260	2000 U		2000 U		20.0 U		20.0 U	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	0		83%		58%		76%	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

010

FOIL205244

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590
Sample:	-005	-015	-006	-016	-007	-017	-008	-018
Location:	TP06-J1 2-3'	TP06-J1 2-3'	TP07-J1 3-4'	TP07-J1 3-4'	TP08-J1 1-2'	TP08-J1 1-2'	TP09-J1 3-4'	TP09-J1 3-4'
Date Collected:	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90
Time Collected:	14:30	14:30	15:00	15:00	15:30	15:30	16:00	16:00
Grease & Oil	396		939		756		418	
Cadmium, Total	2.30		5.80		10.2		1.78	
Chromium, Total	13.2		39.5		78.8		17.7	
Lead, Total	216		140		390		18.0	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K Perry
Laboratory Director

011

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
139 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590
Sample:	-005	-015	-006	-016	-007	-017	-008	-018
Location:	TP06-J1	TP06-J1	TP07-J1	TP07-J1	TP08-J1	TP08-J1	TP09-J1	TP09-J1
	2-3'	2-3'	3-4'	3-4'	1-2'	1-2'	3-4'	3-4'
Date Collected:	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90
Time Collected:	14:30	14:30	15:00	15:00	15:30	15:30	16:00	16:00
TCLP Extraction Metals ***								
Cadmium		0.10 U		0.10 U		0.10 U		0.10 U
Chromium		0.100 U		0.100 U		0.100 U		0.100 U
Lead		14.3		12.9		1.29		0.100 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation

012

Michael K. Perry

Laboratory Director

FOIL205246

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590
Sample:	-005	-015	-006	-016	-007	-017	-008	-018
Location:	TP06-J1 2-3'	TP06-J1 2-3'	TP07-J1 3-4'	TP07-J1 3-4'	TP08-J1 1-2'	TP08-J1 1-2'	TP09-J1 3-4'	TP09-J1 3-4'
Date Collected:	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90	08/21/90
Time Collected:	14:30	14:30	15:00	15:00	15:30	15:30	16:00	16:00
Date Extracted:	08/24/90		08/24/90		08/24/90		08/24/90	
Date Analyzed:	09/13/90		09/14/90		09/13/90		09/08/90	
PCB 1016	200 U		100,000 U		1000 U		20.0 U	
PCB 1221	200 U		100,000 U		1000 U		20.0 U	
PCB 1232	200 U		100,000 U		1000 U		20.0 U	
PCB 1242	200 U		100,000 U		1000 U		20.0 U	
PCB 1248	1560		204,000		4150		20.0 U	
PCB 1254	200 U		100,000 U		1000 U		20.0 U	
PCB 1260	200 U		100,000 U		1000 U		20.0 U	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	77%		D		D		63%	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K Perry
Laboratory Director

013

FOIL205247

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03620	R90/03620	R90/03620	R90/03620
Sample:	-009	-019	-010	-020	-001	-010	-002	-011
Location:	TP10-J1 3-4'	TP10-J1 3-4'	TP11-J1 1-2'	TP11-J1 1-2'	TP12-J1A 3-4'	TP12-J1A 3-4'	TP12-J1B 3-4'	TP12-J1B 3-4'
Date Collected:	08/21/90	08/21/90	08/21/90	08/21/90	08/22/90	08/22/90	08/22/90	08/22/90
Time Collected:	16:30	16:30	17:00	17:00	08:30	08:30	08:30	08:30
Grease & Oil	496		1458		1600		137	
Cadmium, Total	1.48		5.24		53.8		52.0	
Chromium, Total	16.9		282		243	0.10 U	224	
Lead, Total	21.6		325		14,300		10,400	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

014

Michael K Perry
Laboratory Director

FOIL205248

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03620	R90/03620	R90/03620	R90/03620
Sample:	-009	-019	-010	-020	-001	-010	-002	-011
Location:	TP10-J1 3-4'	TP10-J1 3-4'	TP11-J1 1-2'	TP11-J1 1-2'	TP12-J1A 3-4'	TP12-J1A 3-4'	TP12-J1B 3-4'	TP12-J1B 3-4'
Date Collected:	08/21/90	08/21/90	08/21/90	08/21/90	08/22/90	08/22/90	08/22/90	08/22/90
Time Collected:	16:30	16:30	17:00	17:00	08:30	08:30	08:30	08:30
TCLP Extraction Metals ***								
Cadmium		0.10 U		0.10 U		0.10 U		0.10 U
Chromium		0.100 U		0.100 U		0.10 U		0.100 U
Lead		0.100 U		0.203		0.100 U		0.100 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation

015

Michael K. Perry
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03620	R90/03620	R90/03620	R90/03620
Sample:	-009	-019	-010	-020	-001	-010	-002	-011
Location:	TP10-J1 3-4'	TP10-J1 3-4'	TP11-J1 1-2'	TP11-J1 1-2'	TP12-J1A 3-4'	TP12-J1A 3-4'	TP12-J1B 3-4'	TP12-J1B 3-4'
Date Collected:	08/21/90	08/21/90	08/21/90	08/21/90	08/22/90	08/22/90	08/22/90	08/22/90
Time Collected:	16:30	16:30	17:00	17:00	08:30	08:30	08:30	08:30
Date Extracted:	08/24/90		08/24/90		08/24/90		08/24/90	
Date Analyzed:	09/08/90		09/13/90		09/13/90		09/13/90	
PCB 1016	20.0 U		200 U		2000 U		2000 U	
PCB 1221	20.0 U		200 U		2000 U		2000 U	
PCB 1232	20.0 U		200 U		2000 U		2000 U	
PCB 1242	20.0 U		200 U		7870		8870	
PCB 1248	20.0 U		933		2000 U		2000 U	
PCB 1254	20.0 U		447		2480		2070	
PCB 1260	20.0 U		200 U		2000 U		2000 U	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	67%		80%		0		0	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K Perry
Laboratory Director

016

FOIL205250

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03620	R90/03620	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671
Sample:	-003	-012	-004	-017	-005	-018	-006	-019
Location:	TP18-J1 3-4'	TP18-J1 3-4'	SDS-1-1A	SDS-1-1A	SDS-1-1B	SDS-1-1B	SDS-1-2	SDS-1-2
Date Collected:	08/22/90	08/22/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90
Time Collected:	11:00	11:00	16:15	16:15	16:15	16:15	16:25	16:25
Grease & Oil	5.43 U		1455		1480		641	
Cadmium, Total	10.8		30.6		24.9		5.19	
Chromium, Total	44.0		157		150		19.7	
Lead, Total	2980		3160		4540		438	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K Perry
Laboratory Director

017

FOIL205251

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03620	R90/03620	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671
Sample:	-003	-012	-004	-017	-005	-018	-006	-019
Location:	TP18-J1 3-4'	TP18-J1 3-4'	SDS-1-1A	SDS-1-1A	SDS-1-1B	SDS-1-1B	SDS-1-2	SDS-1-2
Date Collected:	08/22/90	08/22/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90
Time Collected:	11:00	11:00	16:15	16:15	16:15	16:15	16:25	16:25
TCLP Extraction Metals ***								
Cadmium		0.10 U		0.16		0.25		0.10 U
Chromium		0.100 U		0.100 U		0.100 U		0.100 U
Lead		0.131		17.7		36.2		0.619

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation

018

Laboratory Director

FOIL205252

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Job Number:	R90/03620	R90/03620	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671
Sample:	-003	-012	-004	-017	-005	-018	-006	-019
Location:	TP18-J1 3-4'	TP18-J1 3-4'	SDS-1-1A	SDS-1-1A	SDS-1-1B	SDS-1-1B	SDS-1-2	SDS-1-2
Date Collected:	08/22/90	08/22/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90
Time Collected:	11:00	11:00	16:15	16:15	16:15	16:15	16:25	16:25
Date Extracted:	08/24/90		08/28/90		08/28/90		08/28/90	
Date Analyzed:	09/14/90		09/18/90		09/19/90		09/18/90	
PCB 1016	40.0 U		2000 U		200 UJSt		200 U	
PCB 1221	40.0 U		2000 U		200 UJSt		200 U	
PCB 1232	40.0 U		2000 U		200 UJSt		200 U	
PCB 1242	89.3		2000 U		200 UJSt		200 U	
PCB 1248	40.0 U		2000 U		200 UJSt		200 U	
PCB 1254	241		2350		200 UJSt		200 U	
PCB 1260	40.0 U		2000 U		200 UJSt		200 U	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	70%		D		0%++		58%	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

019

FOIL205253

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03620	R90/03620
Sample:	-007	-020	-008	-021	-009	-022	-005	-014
Location:	SDS-1-3	SDS-1-3	SDS-1-4	SDS-1-4	SDS-1-5	SDS-1-5	SDS-2-1 0-4"	SDS-2-1 0-4"
Date Collected:	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/22/90	08/22/90
Time Collected:	16:35	16:35	16:45	16:45	16:55	16:55	15:45	15:45
Grease & Oil	1440		1530		5750		1480	
Cadmium, Total	15.3		22.6		68.6		7.9	
Chromium, Total	22.8		29.7		64.7		11.4	
Lead, Total	5250		3860		214		384	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K Perry
Laboratory Director

FOIL205254

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03620	R90/03620
Sample:	-007	-020	-008	-021	-009	-022	-005	-014
Location:	SDS-1-3	SDS-1-3	SDS-1-4	SDS-1-4	SDS-1-5	SDS-1-5	SDS-2-1 0-4"	SDS-2-1 0-4"
Date Collected:	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/22/90	08/22/90
Time Collected:	16:35	16:35	16:45	16:45	16:55	16:55	15:45	15:45
TCLP Extraction Metals ***								
Cadmium		0.10 U		0.10 U		0.63		0.10 U
Chromium		0.100 U		0.100 U		0.100 U		0.100 U
Lead		3.62		0.142		11.6		0.100 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation

621

Michael K. Perry
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Job Number:	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03620	R90/03620
Sample:	-007	-020	-008	-021	-009	-022	-005	-014
Location:	SDS-1-3	SDS-1-3	SDS-1-4	SDS-1-4	SDS-1-5	SDS-1-5	SDS-2-1 0-4"	SDS-2-1 0-4"
Date Collected:	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/22/90	08/22/90
Time Collected:	16:35	16:35	16:45	16:45	16:55	16:55	15:45	15:45
Date Extracted:	09/11/90		08/28/90		08/28/90		09/18/90	
Date Analyzed:	09/18/90		09/18/90		09/18/90		09/20/90	
PCB 1016	200 U		200 U		200 U		2000 UR	
PCB 1221	200 U		200 U		200 U		2000 UR	
PCB 1232	200 U		200 U		200 U		2000 UR	
PCB 1242	200 U		548		542		2000 UR	
PCB 1248	333		200 U		200 U		2000 UR	
PCB 1254	773		339		435		2000 UR	
PCB 1260	200 U		200 U		200 U		2000 UR	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	60%		60%		34%		D	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

65 U 022

Laboratory Director

FOIL205256

General Testing Corporation

A Full Service Environmental Laboratory

RECEIVED
NOV-2 1990
H & A of New York

October 29, 1990

Ms. Elizabeth Henderson
H&A of New York
189 N. Water Street
Rochester, NY 14604

Re: Syracuse Project

Dear Ms. Henderson:

Enclosed please find two corrected copy pages from an original report issued to you on October 11, 1990. As per a conversation between you and myself, a typographical error was found and has now been corrected.

On the original report five locations were reported with the wrong grease and oil values.

If any questions or comments on the above should arise please contact me at (716) 454-376[illegible]

Sincerely,

GENERAL TESTING CORPORATION

Tracey G. Hurtz
Client Representative

TH:rk

doc:syracuse

710 Exchange Street • Rochester, New York 14608 • (716) 454-3760 • Fax (716) 454-1245
85 Trinity Place • Hackensack, NJ 07601 • (201) 488-5242 • Fax (201) 488-6386
435 Lawrence Bell Drive • Amherst, NY 14221 • (716) 634-0454 • Fax (716) 634-9019

General Testing Corporation

DATA AND QUALITY CONTROL QUALIFIERS

U - Indicates compound was analyzed but was not observed at a quantifiable concentration.

J - Indicates an estimated value due to failure of QA/QC requirements

- J Qualifiers (used in conjunction with J and/or QC page or chronology)

S - Surrogate recoveries outside of control limits

St - Surrogate recoveries outside of control limits, analysis repeated, same results obtained, matrix interference suspected

r - Laboratory replicates outside of laboratory advisory limits

t - Matrix interference suspected

h - Holding time exceeded for analysis

p - EPA-approved protocol has been amended upon client request

M - Matrix spike and/or matrix spike duplicate outside control limits

Mt - same as M
ORGANIC PARAMETERS: Matrix interference suspected, Organic reference standard was acceptable.

INORGANIC PARAMETERS: Matrix interference suspected, Repeat analysis still unacceptable

Mr - INORGANICS PARAMETERS: Matrix interference suspected, repeat analysis not conducted due to holding time limitations

B - Indicates that the analyte was found in the associated laboratory or field blank

B Qualifiers (used in conjunction with B)

l - Contamination in lab or method blank

t - Contamination in trip blank

x - Contamination in two or more types of blanks (i.e. Lab or Method, Trip, Equipment,or Field Filtration Blank)

e - Contamination in equipment blank

f - Contamination in field filtration blank

d - Results multiplied by dilution factor

MISCELLANEOUS QC AND DATA QUALIFIERS

ND - Not Detectable

*+ - No limits currently established

D - Surrogate standard diluted out

V - Spiked recovery cannot be determined, sample value >4 times spike concentration

NC - Not Calculable

t - Surrogate Matrix Interference

NS - No Sample

** - See Attached Data

R - Sample re-analyzed outside of holding time

++ - Outside Laboratory acceptance limits (Blank Spikes, Ref. Spikes)

LE - Lab Error: No data available

NA - Not Analyzed

I - Insufficient sample to re-analyze

UP - Unable to perform analysis due to sample matrix

RC - Results confirmed via repeat analysis

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

CORRECTED COPY

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03620	R90/03620
Sample:	-007	-020	-008	-021	-009	-022	-005	-014
Location:	SDS-1-3	SDS-1-3	SDS-1-4	SDS-1-4	SDS-1-5	SDS-1-5	SDS-2-1 0-4"	SDS-2-1 0-4"
Date Collected:	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/22/90	08/22/90
Time Collected:	16:35	16:35	16:45	16:45	16:55	16:55	15:45	15:45
Grease & Oil	1440		1530		5750		4460	
Cadmium, Total	15.3		22.6		68.6		7.9	
Chromium, Total	22.8		29.7		64.7		11.4	
Lead, Total	5250		3860		214		384	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K Pesso
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

***CORRECTED COPY**
P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620
Sample:	-006	-015	-007	-016	-008	-017	-009	-018
Location:	SDS-2-2	SDS-2-2	SDS-2-3	SDS-2-3	SDS-2-4	SDS-2-4	SDS-2-5	SDS-2-5
	0-4"	0-4"	0-4"	0-4"	0-4"	0-4"	0-4"	0-4"
Date Collected:	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90
Time Collected:	16:00	16:00	16:20	16:20	16:45	16:45	17:10	17:10
Grease & Oil	42,500		28,100		93,900		37,800	
Cadmium, Total	13.1		11.4		15.5		8.93	
Chromium, Total	22.6		13.9		19.9		16.3	
Lead, Total	2060		1460		1980		1530	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

FOIL205260

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620
Sample:	-006	-015	-007	-016	-008	-017	-009	-018
Location:	SDS-2-2 0-4"	SDS-2-2 0-4"	SDS-2-3 0-4"	SDS-2-3 0-4"	SDS-2-4 0-4"	SDS-2-4 0-4"	SDS-2-5 0-4"	SDS-2-5 0-4"
Date Collected:	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90
Time Collected:	16:00	16:00	16:20	16:20	16:45	16:45	17:10	17:10
Grease & Oil	641.		1440		1530		5750	
Cadmium, Total	13.1		11.4		15.5		8.93	
Chromium, Total	22.6		13.9		19.9		16.3	
Lead, Total	2060		1460		1980		1530	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

SH 023

Laboratory Director

FOIL205261

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620
Sample:	-006	-015	-007	-016	-008	-017	-009	-018
Location:	SDS-2-2 0-4"	SDS-2-2 0-4"	SDS-2-3 0-4"	SDS-2-3 0-4"	SDS-2-4 0-4"	SDS-2-4 0-4"	SDS-2-5 0-4"	SDS-2-5 0-4"
Date Collected:	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90
Time Collected:	16:00	16:00	16:20	16:20	16:45	16:45	17:10	17:10
TCLP Extraction Metals ***								
Cadmium		0.10 U		0.10 U		0.10 U		0.10 U
Chromium		0.100 U		0.100 U		0.100 U		0.100 U
Lead		0.100 U		0.158		0.474		0.100 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation

024

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Job Number:	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620
Sample:	-006	-015	-007	-016	-008	-017	-009	-018
Location:	SDS-2-2 0-4"	SDS-2-2 0-4"	SDS-2-3 0-4"	SDS-2-3 0-4"	SDS-2-4 0-4"	SDS-2-4 0-4"	SDS-2-5 0-4"	SDS-2-5 0-4"
Date Collected:	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90	08/22/90
Time Collected:	16:00	16:00	16:20	16:20	16:45	16:45	17:10	17:10
Date Extracted:	09/18/90		08/24/90		08/24/90		08/24/90	
Date Analyzed:	09/20/90		09/14/90		09/14,20/90		09/14,20/90	
PCB 1016	2000 UR		200 U		200 U		200 U	
PCB 1221	2000 UR		200 U		2000 U		2000 U	
PCB 1232	2000 UR		200 U		2000 U		2000 U	
PCB 1242	2000 UR		200 U		800		1330	
PCB 1248	2000 UR		200 U		200 U		200 U	
PCB 1254	2000 UR		200 U		200 U		200 U	
PCB 1260	2000 UR		200 U		200 U		200 U	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	D		74%		61%		72%	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

#19 025

FOIL205263

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632
Sample:	-001	-006	-002	-007	-004	-009	-005	-010
Location:	LBS-1A	LBS-1A	LBS-1B	LBS-1B	LBS-2	LBS-2	LBS-3	LBS-3
Date Collected:	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90
Time Collected:	12:15	12:15	12:15	12:15	15:00	15:00	15:45	15:45
Grease & Oil	510		880		439		2230	
Cadmium, Total	2570		36.5		5.7		6.7	
Chromium, Total	9.63		13.4		18.9		17.5	
Lead, Total	4300		4440		384		287	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

026

Laboratory Director

FOIL205264

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632
Sample:	-001	-006	-002	-007	-004	-009	-005	-010
Location:	LBS-1A	LBS-1A	LBS-1B	LBS-1B	LBS-2	LBS-2	LBS-3	LBS-3
Date Collected:	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90
Time Collected:	12:15	12:15	12:15	12:15	15:00	15:00	15:45	15:45
TCLP Extraction Metals ***								
Cadmium		0.10 U		0.10 U		0.10 U		0.10 U
Chromium		0.100 U		0.100 U		0.100 U		0.100 U
Lead		0.365		0.100 U		0.100 U		5.07

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is biased on the above regulation

027

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Job Number:	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632
Sample:	-001	-006	-002	-007	-004	-009	-005	-010
Location:	LBS-1A	LBS-1A	LBS-1B	LBS-1B	LBS-2	LBS-2	LBS-3	LBS-3
Date Collected:	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90	08/23/90
Time Collected:	12:15	12:15	12:15	12:15	15:00	15:00	15:45	15:45
Date Extracted:	08/28/90		08/28/90		08/28/90		08/28/90	
Date Analyzed:	09/15/90		09/20/90		09/15/90		09/15/90	
PCB 1016	200 U		200 U		400 U		2000 U	
PCB 1221	200 U		200 U		400 U		2000 U	
PCB 1232	200 U		200 U		400 U		2000 U	
PCB 1242	200 U		200 U		400 U		2000 U	
PCB 1248	200 U		200 U		947		15,000	
PCB 1254	200 U		200 U		400 U		2000 U	
PCB 1260	200 U		200 U		400 U		2000 U	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	50%		39%		D		D	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K Perry

Laboratory Director

026

FOIL205266

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652
Sample:	-017	-034	-001	-018	-002	-019	-003	-020
Location:	TP-22	TP-22	TP-23	TP-23	TP-24A	TP-24A	TP-24B	TP-24B
Date Collected:	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90
Time Collected:	17:46	17:46	17:30	17:30	17:15	17:15	17:15	17:15
Grease & Oil	22,600		5160		3075		3940	
Cadmium, Total	30.1		14.6		58.8		63.2	
Chromium, Total	52.7		37.1		84.0		108	
Lead, Total	8460		1160		3810		4690	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

029

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652
Sample:	-017	-034	-001	-018	-002	-019	-003	-020
Location:	TP-22	TP-22	TP-23	TP-23	TP-24A	TP-24A	TP-24B	TP-24B
Date Collected:	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90
Time Collected:	17:46	17:46	17:30	17:30	17:15	17:15	17:15	17:15
TCLP Extraction Metals ***								
Cadmium		0.10 U		0.10 U		0.10 U		0.10 U
Chromium		0.100 U		0.100 U		0.100 U		0.100 U
Lead		0.100 U		0.100 U		0.337		0.100 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation

Rev 030

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Job Number:	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652
Sample:	-017	-034	-001	-018	-002	-019	-003	-020
Location:	TP-22	TP-22	TP-23	TP-23	TP-24A	TP-24A	TP-24B	TP-24B
Date Collected:	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90	08/24/90
Time Collected:	17:46	[illegible]46	17:30	17:30	17:15	17:15	17:15	17:15
Date Extracted:	08/28/90		08/28/90		08/28/90		08/28/90	
Date Analyzed:	09/17/90		09/13/90		09/13/90		09/13/90	
PCB 1016	2000 U		1000 U		1000 U		1000 U	
PCB 1221	2000 U		1000 U		1000 U		1000 U	
PCB 1232	2000 U		1000 U		1000 U		1000 U	
PCB 1242	2000 U		1000 U		1000 U		1000 U	
PCB 1248	2000 U		1000 U		1000 U		1000 U	
PCB 1254	6980		934		1830		1710	
PCB 1260	2000 U		1000 U		1000 U		1000 U	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	D		D		D		D	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

03

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03652	R90/03652	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671
Sample:	-004	-021	-001	-014	-002	-015	-003	-016
Location:	TP-25	TP-25	NGB-1	NGB-1	NGB-2	NGB-2	NGB-3	NGB-3
Date Collected:	08/24/90	08/24/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90
Time Collected:	18:00	18:00	15:20	15:20	15:30	15:30	15:40	15:40
Grease & Oil	166		1605		137		160	
Cadmium, Total	1.36		0.50 U		0.50 U		0.50 U	
Chromium, Total	13.4		12.6		24.0		21.9	
Lead, Total	72.7		5.72		14.5		5.0 U	
TCLP Metals		**		**		**		**
PCB's	**		**		**		**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

032

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03652	R90/03652	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671
Sample:	-004	-021	-001	-014	-002	-015	-003	-016
Location:	TP-25	TP-25	NGB-1	NGB-1	NGB-2	NGB-2	NGB-3	NGB-3
Date Collected:	08/24/90	08/24/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90	08/27/90
Time Collected:	18:00	18:00	15:20	15:20	15:30	15:30	15:40	15:40
TCLP Extraction Metals ***								
Cadmium		0.10 U		0.10 U		0.10 U		0.10 U
Chromium		0.100 U		0.100 U		0.100 U		0.100 U
Lead		0.100 U		0.100 U		0.100 U		0.100 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation

033

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - ug/g Wet Wt.

Job Number:	R90/03671	R90/03671	R90/03671					
Sample:	-010	-023	-011					
Location:	SGB-1	SGB-1	TSS-1					
Date Collected:	08/27/90	08/27/90	08/27/90					
Time Collected:	17:50	17:50	18:00					
Grease & Oil	270		28,800					
Cadmium, Total	1.3		5.7					
Chromium, Total	8.24		35.5					
Lead, Total	7.74		411					
TCLP Metals		**		**		**		**
PCB's	**		**					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

035

Laboratory Director

FOIL205272

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Job Number:	R90/03671	R90/03671	R90/03671					
Sample:	-010	-023	-011					
Location:	SGB-1	SGB-1	TSS-1					
Date Collected:	08/27/90	08/27/90	08/27/90					
Time Collected:	17:50	17:50	18:00					
Date Extracted:	08/28/90		08/28/90					
Date Analyzed:	09/19/90		09/19/90					
PCB 1016	20.0 U		200 UJSt					
PCB 1221	20.0 U		200 UJSt					
PCB 1232	20.0 U		200 UJSt					
PCB 1242	20.0 U		200 UJSt					
PCB 1248	20.0 U		200 UJSt					
PCB 1254	20.0 U		200 UJSt					
PCB 1260	20.0 U		588 JSt					
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	45%		10%++					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

037

Laboratory Director

FOIL205273

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03671	R90/03671	R90/03671					
Sample:	-010	-023	-011					
Location:	SGB-1	SGB-1	TSS-1					
Date Collected:	08/27/90	08/27/90	08/27/90					
Time Collected:	17:50	17:50	18:00					
TCLP Extraction Metals ***								
Cadmium		0.10 U						
Chromium		0.100 U						
Lead		0.100 U						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure,
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation

036

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03671	R90/03620	R90/03620	R90/03671	R90/03671	R90/03632	R90/03632	R90/03652
Sample:	-024	-004	-013	-012	-025	-003	-008	-006
Location:	TSS-1	TP BLK	TP BLK	SDS-BLK	SDS-BLK	LBS-BLK	LBS-BLK	TM-BLK
Date Collected:	08/27/90	08/22/90	08/22/90	08/27/90	08/27/90	08/23/90	08/23/90	08/24/90
Time Collected:	18:00	13:45	13:45	17:05	17:05	13:30	13:30	18:30
TCLP Extraction Metals ***								
Cadmium	0.23		0.10 U		0.10 U		0.10 U	
Chromium	0.119		0.100 U		0.100 U		0.100 U	
Lead	0.332		0.100 U		0.100 U		0.100 U	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation

039

Michael K Perry
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03671	R90/03620	R90/03620	R90/03671	R90/03671	R90/03632	R90/03632	R90/03652
Sample:	-024	-004	-013	-012	-025	-003	-008	-006
Location:	TSS-1	TP BLK	TP BLK	SDS-BLK	SDS-BLK	LBS-BLK	LBS-BLK	TM-BLK
Date Collected:	08/27/90	08/22/90	08/22/90	08/27/90	08/27/90	08/23/90	08/23/90	08/24/90
Time Collected:	18:00	13:45	13:45	17:05	17:05	13:30	13:30	18:30
Grease & Oil		5.15 U		5.05 U		5.43 U		5.37 U
Cadmium, Total		0.0050 U		0.011		0.0050 U		0.0050 U
Chromium, Total		0.0050 U		0.0050 U		0.0050 U		10.0 U
Lead, Total		5.0 U		0.050		0.050		0.050 U
TCLP Metals	**		**		**		**	
PCB's		**		**		**		**

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

038

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03652	R90/03671	R90/03671					
Sample:	-023	-013	-026					
Location:	TM-BLK	BG-BLK	BG-BLK					
Date Collected:	08/24/90	08/27/90	08/27/90					
Time Collected:	18:30	16:00	16:00					
Grease & Oil		5.05 U						
Cadmium, Total		0.010 U						
Chromium, Total		0.0050 U						
Lead, Total		0.050 U						
TCLP Metals	**		**					
PCB's		**						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

041

Laboratory Director

FOIL205277

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Job Number:	R90/03671	R90/03620	R90/03620	R90/03671	R90/03671	R90/03632	R90/03632	R90/03652
Sample:	-024	-004	-013	-012	-025	-003	-008	-006
Location:	TSS-1	TP BLK	TP BLK	SDS-BLK	SDS-BLK	LBS-BLK	LBS-BLK	TM-BLK
Date Collected:	08/27/90	08/22/90	08/22/90	08/27/90	08/27/90	08/23/90	08/23/90	08/24/90
Time Collected:	18:00	13:45	13:45	17:05	17:05	13:30	13:30	18:30
Date Extracted:		08/29/90		08/29/90		08/29/90		08/29/90
Date Analyzed:		09/08/90		09/19/90		09/09/90		09/15/90
PCB 1016		0.50 U		0.50 U		0.50 U		0.50 U
PCB 1221		0.50 U		0.50 U		0.50 U		0.50 U
PCB 1232		0.50 U		0.50 U		0.50 U		0.50 U
PCB 1242		0.50 U		0.50 U		0.50 U		0.50 U
PCB 1248		0.50 U		0.50 U		0.50 U		0.50 U
PCB 1254		0.50 U		0.50 U		0.50 U		0.50 U
PCB 1260		0.50 U		0.50 U		0.50 U		0.50 U
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)		67%		50%		63%		54%

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Job Number:	R90/03652	R90/03671	R90/03671					
Sample:	-023	-013	-026					
Location:	TM-BLK	BG-BLK	BG-BLK					
Date Collected:	08/24/90	08/27/90	08/27/90					
Time Collected:	18:30	16:00	16:00					
Date Extracted:		08/29/90						
Date Analyzed:		09/19/90						
PCB 1016		0.50 U						
PCB 1221		0.50 U						
PCB 1232		0.50 U						
PCB 1242		0.50 U						
PCB 1248		0.50 U						
PCB 1254		0.50 U						
PCB 1260		0.50 U						
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)		41%						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Ex 043

Laboratory Director

FOIL205279

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYTICAL RESULTS - mg/l

Job Number:	R90/03652	R90/03671	R90/03671					
Sample:	-023	-013	-026					
Location:	TM-BLK	BG-BLK	BG-BLK					
Date Collected:	08/24/90	08/27/90	08/27/90					
Time Collected:	18:30	16:00	16:00					
TCLP Extraction Metals ***								
Cadmium	0.10 U		0.10 U					
Chromium	0.100 U		0.100 U					
Lead	0.100 U		0.100 U					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation

** 042

Laboratory Director

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : B90/03590 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Grease& Oil	-001	1470	1240	16.9 %	*+	1355	51,100	98.8 %	*+	5.00 U	51,1000	106 %	*+	--- NA	---	---	---
Cadmium	-001	45.1	48.0	6.2%	30	45.1	4.20	V	62-140	0.010 U	0.050	98%	70-130	REF STD	0.500	92%	80-120
Chromium	-001	121	112	7.7%	20	121	25.0	V	75-140	0.0050 U	0.250	100%	72-130	REF STD	5.00	100%	80-120
Lead	-001	10,900	12,500	13.7%	30	10,900	0.250	V	50-150	0.050 U	0.500	105%	70-130	REF STD	2.50	98%	80-120

** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

+* No limits currently established.

General Testing Corporation

GTC REPORT# Syracuse #2

SECTION B

LABORATORY QUALITY CONTROL

Presented in this section is Quality Control associated with the data provided in Section A of this report.

Quality Control Explanations:

(1) RUN QUALITY CONTROL - Selected QC data from the analytical run in which your sample(s) were involved.

(2) JOB SPECIFIC QUALITY CONTROL - QC data specific to your set of samples.

(3) DUPLICATES - Replicate analyses of a given sample used to monitor precision. Relative Percent Difference is calculated as the difference divided by the average x 100.

(4) MATRIX SPIKES - Addition of a known amount of analyte to a sample. Recovery is calculated by subtracting original value attributable to the sample from the combined value. The difference is the divided by the amount added to calculate % recovery. Poor recoveries may indicate analytical interference due to the matrix of the sample. Any other samples of this matrix may also have been affected, high or low as indicated by the % recovery.

(5) LABORATORY CONTAMINANTS - Laboratory De-ionized water used to monitor for contamination during analysis.

(6) BLANK SPIKES -Same as item #4 but analyte is added to laboratory de-ionized water. This indicates the accuracy of analysis.

(7) REFERENCE CHECK SAMPLES - Samples from an outside source having a known concentration of analyte. Used as a measure of analytical accuracy.

When possible, all components of the above listed QC protocol are performed during an analytical run. The resulting data is compared to historical records when evaluating the quality of analytical runs. The data provided in your report has passed our Quality Assurance review.

Quality Control Notes:

FOIL205282

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/03590 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Grease& Oil	-011	3010	2450	20.5	*+	2730	51,000	99.8	*+	5.00 U	51,100	97.4	*+	---	---	---	---
Cadmium	-011	See Q.C.	for location 001														
Chromium	-011	See Q.C.	for location 001														
Lead	-011	See Q.C.	for location 001														

** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

+* No limits currently established.

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/03590 UNITS: MG/L REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PNVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Cadmium	-011	See Q.C. for location 001															
Chromium	-011	NA				NA				0.010 U	1.00	99%	80-120	REF STD	5.00	100%	90-110
Lead	-011	See Q.C. for location 001															

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

*+ No limits currently established

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/03620 UNITS: MG/L REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Cadmium	-010	See Q.C. for location 001															
Chromium	-010	See Q.C. for location 001															
Lead	-010	0.100 U	BA			0.100 U	NA			0.100 U	1.00	99%	80-120	REFSTD	5.00	99%	90-110

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.
*+ No limits currently established

FOIL205285

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/03620 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Grease& Oil	-001	NA				NA				NA				NA			
Cadmium	-001	53.8	56.3	4.5%	40	53.8	4.10	V	45-148	0.0050 U	0.050	100%	81-128	REF STD	5.00	100%	80-120
Chromium	-001	243	268	9.8%	40	243	20.5	V	45-141	0.0050 U	0.250	108%	73-138	REF STD	5.00	100%	80-120
Lead	-001	14,300	11,100	25.2%	30	14,300	20.5	V	50-150	0.050 U	0.250	121%	70-130	REF STD	2.50	92%	80-120

** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

+* No limits currently established.

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York | JOB # : R90/03632 | UNITS: mg/l | REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PHVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				MATRIX SPIKING			BLANK SPIKES				REFERENCE STANDARD			
Cadmium	-008	See Q.C. for location 004														
Chromium	-008	NA				NA			0.010 U	1.00	99%	80-120	REF STD	5.00	100%	90-110
Lead	-008	NA				NA			0.050 U	1.00	98%	80-120	REF STD	5.00	100%	90-110

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

*+ No limits currently established

FOIL205287

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/03632 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Grease& Oil	-004	446	433	2.96 %	*+	439	61,050	106 %	*+	5.00 U	61,050	96.7%	*+	---	---	---	---
Cadmium	-004	5.70	5.60	1.8%	40	5.70	4.85	82%	45-148	0.0050 U	0.050	100%	81-128	REF STD	5.00	100%	80-120
Chromium	-004	18.9	16.1	16.0%	40	18.9	24.3	82%	45-141	0.0050 U	0.250	108%	73-138	REF STD	5.00	100%	80-120
Lead	-004	384	348	9.8%	30	384	0.250	V	50-150	0.050 U	0.250	121%	70-130	REF STD	2.50	92%	80-120

** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

+* No limits currently established.

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/03652 UNITS: mg/l REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PHVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Cadmium	-032	See Q.C. for location 015															
Chromium	-032	0.100 U	NA			0.100 U	NA			0.100 U	1.00	96%	80-120	REF STD	5.00	100%	90-110
Lead	-032	0.100 U	NA			0.100 U	NA			0.100 U	1.00	99%	80-120	REFSTD	5.00	99%	90-110

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.
*+ No limits currently established

FOIL205289

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York | JOB # : R90/03652 | UNITS: ug/ G Wet Wt. | REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PKVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Grease& Oil	-015	4990	4970	0.40 %	29.5	4980	61,050	100 %	70.3-113	5.00 U	61,050	100 %	84-126	ERA 9925	21	100 %	**
Cadmium	-015	0.780	0.750	3.9%	40	0.780	9.35	89%	45-148	0.0050 U	0.050	100%	81-128	REF STD	5.00	100%	80-120
Chromium	-015	15.6	14.8	5.3%	40	15.6	23.4	92%	45-141	0.0050 U	0.250	108%	73-138	REF STD	5.00	100%	80-120
Lead	-015	105	90.1	15.3%	40	105	23.4	V	50-150	0.050 U	0.250	108%	70-130	REF STD	5.00	100%	80-120

** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

+* No limits currently established.

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: N & A of New York JOB # : R90/03671 UNITS: MG/L REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Cadmium	-017	See Q.C. for location 001															
Chromium	-017	0.100 U	NA			0.100 U	NA			0.100 U	1.00	96%	80-120	REF STD	5.00	100%	90-110
Lead	-017	17.7	NA			17.7	NA			0.100 U	1.00	99%	80-120	REF STD	5.00	99%	90-110

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.
*+ No limits currently established

055

FOIL205291

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York | JOB # : R90/03671 | UNITS: ug/g Wet Wt. | REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Grease& Oil	-004	1540	1370	11.6 %	29.5	1455	50,690	96.5 %	70.3-113	5.00 U	50,690	101%	84-126	ERA 9925	21	100%	**
Cadmium	-004	30.6	28.2	8.2%	40	30.6	4.81	V	45-148	0.0050 U	0.050	100%	81-128	REF STD	5.00	100%	80-120
Chromium	-004	157	150	4.6%	40	157	24.0	V	45-141	0.0050 U	0.250	108%	73-138	REF STD	5.00	100%	80-120
Lead	-004	3160	3680	15.2%	30	3160	24.0	V	50-150	0.050 U	0.250	121%	70-130	REF STD	2.50	92%	80-120

** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

** No limits currently established.

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Job Number:	R90/03620	R90/03632	R90/03652	R90/03671				
Sample:	-019	-011	-035	-027				
Location:	Lab Blank	Lab Blank	Lab Blank	Lab Blank				
Date Collected:	--	--	--	--				
Time Collected:	--	--	--	--				
Date Extracted:	08/29/90	08/29/90	08/29/90	08/29/90				
Date Analyzed:	09/12/90	09/12/90	09/12/90	09/12/90				
PCB 1016	0.50 U	0.50 U	0.50 U	0.50 U				
PCB 1221	0.50 U	0.50 U	0.50 U	0.50 U				
PCB 1232	0.50 U	0.50 U	0.50 U	0.50 U				
PCB 1242	0.50 U	0.50 U	0.50 U	0.50 U				
PCB 1248	0.50 U	0.50 U	0.50 U	0.50 U				
PCB 1254	0.50 U	0.50 U	0.50 U	0.50 U				
PCB 1260	0.50 U	0.50 U	0.50 U	0.50 U				
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	31%	31%	31%	31%				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

057

Michael K. Perry

Laboratory Director

FOIL205293

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date: OCT. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Project

P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Job Number:	R90/03590	R90/03620	R90/03620	R90/03632	R90/03652	R90/03671		
Sample:	-021	-020	-021	-012	-036	-028		
Location:	Lab Blank	Lab Blank	Lab Blank	Lab Blank	Lab Blank	Lab Blank		
Date Collected:	--	--	--	--	--	--		
Time Collected:	--	--	--	--	--	--		
Date Extracted:	08/24/90	08/24/90	09/18/90	08/28/90	08/28/90	09/11/90		
Date Analyzed:	09/07/90	09/08/90	09/20/90	09/09/90	09/12/90	09/16/90		
PCB 1016	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U		
PCB 1221	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U		
PCB 1232	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U		
PCB 1242	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U		
PCB 1248	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U		
PCB 1254	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U		
PCB 1260	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U		
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	70%	70%	50%	49%	46%	48%		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

056

Laboratory Director

FOIL205294

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Job No: R90/03590

Date: 28 SEPT, 1990

EPA METHOD 608	REFERENCE CHECK TRUE VALUE	REFERENCE CHECK % RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 08/24/90			
Date Analyzed: 09/07/90			
PCB 1221			15 - 178
PCB 1232			10 - 215
PCB 1016			50 - 114
PCB 1242			39 - 150
PCB 1248			38 - 158
PCB 1254	66.7	63%	29 - 131
PCB 1260			8 - 127
SURROGATE STANDARD RECOVERY:			
Tetrachloro-meta-xylene	33.3	39%	31 - 141

** 059

Michael K Perry

Laboratory Director

FOIL205295

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: -

Lab Code: - Case No.: - SAS No.: - SDG No.: -

Matrix Spike - EPA Sample No. : R90/03590 -001

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1248		8900	6250		38-158
PCB 1254	1660	2000 U	2420	57%	29-131

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1248		7110		13%	30	38-158
PCB 1254	1660	2380	54%	1.7%	30	29-131

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

#- 059

COMMENTS:

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Job No: R90/03620

Date: 28 SEPT, 1990

EPA METHOD 608	REFERENCE CHECK TRUE VALUE	REFERENCE CHECK % RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 08/24/90			
Date Analyzed: 09/08/90			
PCB 1221			15 - 178
PCB 1232			10 - 215
PCB 1016			50 - 114
PCB 1242			39 - 150
PCB 1248			38 - 158
PCB 1254	66.7	78%	29 - 131
PCB 1260			8 - 127
SURROGATE STANDARD RECOVERY:			
Tetrachloro-meta-xylene	33.3	47%	31 - 141

062

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No. : R90/03620 -001

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1242	--	7870	11,600	--	38-158
PCB 1254	1670	2840	4090	90%	29-131

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1242	--	9370	--	21%	30	39-150
PCB 1254	1670	3520	62%	15%	30	29-131

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

060

COMMENTS: _____

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Job No: R90/03632

Date: 10 OCT., 1990

EPA METHOD 608	REFERENCE CHECK TRUE VALUE	REFERENCE CHECK % RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 08/28/90			
Date Analyzed: 09/09/90			
PCB 1221			15 - 178
PCB 1232			10 - 215
PCB 1016			50 - 114
PCB 1242			39 - 150
PCB 1248			38 - 158
PCB 1254	66.7	96%	29 - 131
PCB 1260			8 - 127
SURROGATE STANDARD RECOVERY:			
Tetrachloro-meta-xylene	33.3	75%	31 - 141

063

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No. : R90/03632 -004

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1248		947	2970		38-158
PCB 1254	1670	400 U	2710	142%++	29-131

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1248		2020		38%++	30	38-158
PCB 1254	1670	2010	100%	30%	30	29-131

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 1 out of 2 outside limits

062

COMMENTS: _____

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Job No: R90/03652

Date: 28 SEPT, 1990

EPA METHOD 608	REFERENCE CHECK TRUE VALUE	REFERENCE CHECK % RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 08/28/90			
Date Analyzed: 09/12/90			
PCB 1221			15 - 178
PCB 1232			10 - 215
PCB 1016			50 - 114
PCB 1242			39 - 150
PCB 1248			38 - 158
PCB 1254	66.7	113%	29 - 131
PCB 1260			8 - 127
SURROGATE STANDARD RECOVERY:			
Tetrachloro-meta-xylene	33.3	56%	31 - 141

Page 085

Laboratory Director

FOIL205301

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No. : R90/03652 -015

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1248		4800	5400		38-158
PCB 1254	3330	2000 U	3240	97%	29-131

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1248		3400		42%++	30	38-158
PCB 1254	3330	2330	67%	37%++	30	29-131

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 2 out of 2 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No. : R90/03671 -004

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1254	1670	2350	2980	38%	29-131

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1254	1670	2150	0%++	32%++	30	29-131

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 1 out of 1 outside limits
Spike Recovery: 1 out of 2 outside limits

SV 056

COMMENTS: _____

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

GTC REPORT# Syracuse #2

SECTION C

ANALYTICAL CHRONOLOGY

Presented in this section is a Laboratory Chronology listing the dates of all preparations and analyses performed on the samples covered in this report. Holding times,(the maximum times in which to analyze a sample) are derived from the referenced methodology.

Chronology Notes:

FOIL205304

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 10 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590
Sample:	-001	-011	-002	-012	-003	-013	-004	-014
Location:	TP01-J1 4-5'	TP01-J1 4-5'	TP02-J1 4-5'	TP02-J1 4-5'	TP03-J1 3-4'	TP03-J1 3-4'	TP05-J1 2-3'	TP05-J1 2-3'
Grease & Oil	08/24/90		08/24/90		08/24/90		08/24/90	
Cadmium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Chromium, Total	09/04/90		09/04/90		09/04/90		09/04/90	
Lead, Total	09/05/90		09/06/90		09/05/90		09/05/90	
Metals, TCLP Cadmium		09/19/90		09/19/90		09/19/90		09/19/90
Chromium		09/14/90		09/14/90		09/24/90		09/14/90
Lead		09/06/90		09/06/90		09/24/90		09/14/90
PCB's	09/13/90		09/13/90		09/08/90		09/08/90	

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FOIL205305

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 10 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590	R90/03590
Sample:	-005	-015	-006	-016	-007	-017	-008	-018
Location:	TP06-J1 2-3'	TP06-J1 2-3'	TP07-J1 3-4'	TP07-J1 3-4'	TP08-J1 1-2'	TP08-J1 1-2'	TP09-J1 3-4'	TP09-J1 3-4'
Grease & Oil	08/24/90		08/24/90		08/24/90		08/24/90	
Cadmium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Chromium, Total	09/04/90		09/04/90		09/12/90		09/04/90	
Lead, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Metals, TCLP Cadmium		09/18/90		09/18/90		09/18/90		09/18/90
Chromium		09/14/90		09/14/90		09/14/90		09/14/90
Lead		09/14/90		09/14/90		09/14/90		09/14/90
PCB's	09/13/90		09/14/90		09/13/90		09/08/90	

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General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 10 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03590	R90/03590	R90/03590	R90/03590	R90/03620	R90/03620	R90/03620	R90/03620
Sample:	-009	-019	-010	-020	-001	-010	-002	-011
Location:	TP10-J1 3-4'	TP10-J1 3-4'	TP11-J1 1-2'	TP11-J1 1-2'	TP12-J1A 3-4'	TP12-J1A 3-4'	TP12-J1B 3-4'	TP12-J1B 3-4'
Grease & Oil	08/24/90		08/24/90		08/24/90		08/24/90	
Cadmium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Chromium, Total	09/04/90		09/04/90		09/05/90	09/14/90	09/05/90	
Lead, Total	09/05/90		09/05/90		09/06/90		09/06/90	
Metals, TCLP Cadmium		09/18/90		09/18/90		09/18/90		09/18/90
Chromium		09/14/90		09/14/90		09/14/90		09/14/90
Lead		09/14/90		09/14/90		09/24/90		09/14/90
PCB's	09/08/90		09/13/90		09/13/90		09/13/90	

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General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 10 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03620	R90/03620	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671
Sample:	-003	-012	-004	-017	-005	-018	-006	-019
Location:	TP18-J1 3-4'	TP18-J1 3-4'	SDS-1-1A	SDS-1-1A	SDS-1-1B	SDS-1-1B	SDS-1-2	SDS-1-2
Grease & Oil	08/28/90		08/28/90		08/28/90		08/28/90	
Cadmium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Chromium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Lead, Total	09/06/90		09/06/90		09/05/90		09/05/90	
Metals, TCLP Cadmium		09/18/90		09/18/90		09/18/90		09/18/90
Chromium		09/14/90		09/24/90		09/24/90		09/24/90
Lead		09/14/90		09/24/90		09/24/90		09/24/90
PCB's	09/14/90		09/18/90		09/19/90		09/18/90	

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FOIL205308

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 10 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03620	R90/03620
Sample:	-007	-020	-008	-021	-009	-022	-005	-014
Location:	SDS-1-3	SDS-1-3	SDS-1-4	SDS-1-4	SDS-1-5	SDS-1-5	SDS-2-1 0-4"	SDS-2-1 0-4"
Grease & Oil	08/28/90		08/28/90		08/28/90		08/28/90	
Cadmium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Chromium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Lead, Total	09/05/90		09/05/90		09/06/90		09/06/90	
Metals, TCLP								
Cadmium		09/18/90		09/18/90		09/18/90		09/18/90
Chromium		09/24/90		09/24/90		09/24/90		09/14/90
Lead		09/24/90		09/24/90		09/24/90		09/14/90
PCB's	09/18/90		09/18/90		09/18/90		09/20/90	

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General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 10 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620	R90/03620
Sample:	-006	-015	-007	-016	-008	-017	-009	-018
Location:	SDS-2-2 0-4"	SDS-2-2 0-4"	SDS-2-3 0-4"	SDS-2-3 0-4"	SDS-2-4 0-4"	SDS-2-4 0-4"	SDS-2-5 0-4"	SDS-2-5 0-4"
Grease & Oil	08/28/90		08/28/90		08/28/90		08/28/90	
Cadmium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Chromium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Lead, Total	09/06/90		09/06/90		09/06/90		09/06/90	
Metals, TCLP Cadmium		09/18/90		09/18/90		09/18/90		09/18/90
Chromium		09/14/90		09/14/90		09/14/90		09/14/90
Lead		09/14/90		09/14/90		09/14/90		09/14/90
PCB's	09/20/90		09/14/90		09/14/90, 09/20/90		09/14/90, 09/20/90	

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FOIL205310

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 10 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03632	R90/03630	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632	R90/03632
Sample:	-001	-006	-002	-007	-004	-009	-005	-010
Location:	LBS-1A	LBS-1A	LBS-1B	LBS-1B	LBS-2	LBS-2	LBS-3	LBS-3
Grease & Oil	08/26/90		08/26/90		08/26/90		08/26/90	
Cadmium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Chromium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Lead, Total	09/06/90		09/06/90		09/06/90		09/06/90	
Metals, TCLP								
Cadmium		09/18/90		09/18/90		09/18/90		09/18/90
Chromium		09/14/90		09/14/90		09/14/90		09/14/90
Lead		09/14/90		09/14/90		09/14/90		09/14/90
PCB's	09/15/90		09/20/90		09/15/90		09/15/90	

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FOIL205311

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652	R90/03652
Sample:	-017	-034	-001	-018	-002	-019	-003	-020
Location:	TP-22	TP-22	TP-23	TP-23	TP-24A	TP-24A	TP-24B	TP-24B
Grease & Oil	08/28/90		08/28/90		08/28/90		08/28/90	
Cadmium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Chromium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Lead, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Metals, TCLP								
Cadmium		09/19/90		09/19/90		09/19/90		09/19/90
Chromium		09/24/90		09/24/90		09/24/90		09/14/90
Lead		09/24/90		09/24/90		09/24/90		09/14/90
PCB's	09/17/90		09/13/90		09/13/90		09/13/90	

075

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03652	R90/03652	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671	R90/03671
Sample:	-004	-021	-001	-014	-002	-015	-003	-016
Location:	TP-25	TP-25	NGB-1	NGB-1	NGB-2	NGB-2	NGB-3	NGB-3
Grease & Oil	08/28/90		08/28/90		08/28/90		08/28/90	
Cadmium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Chromium, Total	09/05/90		09/05/90		09/05/90		09/05/90	
Lead, Total	09/05/90		09/06/90		09/06/90		09/06/90	
Metals, TCLP								
Cadmium		09/19/90		09/18/90		09/18/90		09/18/90
Chromium		09/24/90		09/24/90		09/24/90		09/24/90
Lead		09/24/90		09/24/90		09/24/90		09/24/90
PCB's	09/13/90		09/19/90		09/16/90		09/19/90	

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General Testing Corporation

A Full Ser .nvironmental Laboratory

LA ORATORY REPORT
Date OCT. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03671	R90/03671	R90/03671					
Sample:	-010	-023	-011					
Location:	SGB-1	SGB-1	TSS-1					
Grease & Oil	08/28/90		08/28/90					
Cadmium, Total	09/11/90		09/11/90					
Chromium, Total	09/12/90		09/12/90					
Lead, Total	09/20/90		09/06/90					
Metals, TCLP Cadmium		09/18/90						
Chromium		09/24/90						
Lead		09/24/90						
PCB's	09/19/90		09/19/90					
								077

FOIL205314

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 10 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03671	R90/03620	R90/0362	R90/03671	R90/03671	R90/03632	R90/03632	R90/03652	R90/03652
Sample:	-024	-004	-013	-012	-025	-003	-008	-006	-023
Location:	TSS-1	TP BLK	TP BLK	SDS-BLK	SDS-BLK	LBS-BLK	LBS-BLK	TM-BLK	TM-BLK
Grease & Oil		08/27/90		09/05/90		08/27/90		08/28/90	
Cadmium, Total		09/06/90		09/11/90		09/05/90		09/05/90	
Chromium, Total		09/04/90		09/12/90		09/05/90		09/24/90	
Lead, Total		09/06/90		09/06/90		09/06/90		09/05/90	
Metals, TCLP Cadmium	09/18/90		09/18/90		09/18/90		09/18/90		09/19/90
Chromium	09/24/90		09/14/90		09/24/90		09/14/90		09/24/90
Lead	09/24/90		09/14/90		09/24/90		09/14/90		09/24/90
PCB's		09/08/90		09/19/90		09/09/90		09/15/90	

078

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Date OCT. 10 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Project

LABORATORY CHRONICLE
DATE ANALYZED

Job Number:	R90/03671	R90/03671							
Sample:	-013	-026							
Location:	BG-BLK	BG-BLK							
Grease & Oil	09/05/90								
Cadmium, Total	09/11/90								
Chromium, Total	09/12/90								
Lead, Total	09/06/90								
Metals, TCLP Cadmium		09/18/90							
Chromium		09/24/90							
Lead		09/24/90							
PCB's	09/19/90								

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

H&A FILE NO. 70185-40
PROJECT Syracuse Site
H&A CONTACT E. Henderson

LABORATORY General Testing
ADDRESS Exchange St. Rochester
CONTACT Tracey Hurtz

DELIVERY DATE 8/22/90
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS

H&A SAMPLE NO.	R90/3590- LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O&G				Ore Comb X	NO. OF CONTAINERS	COMMENTS (Special instructions, cautions, etc.)
TP01-J1	1 #11	8/21	0930	4-5'	SOIL											4	Total: Pb, Cr, Cd; TCLP: Pb, Cr, Cd;
TP02-J1	2 #12	"	1030	4-5'	"											"	PCB; Grease & Oil
TP03-J1	3 #13	"	1130	3-4'	"											"	
TP05-J1	4 #14	"	1230	2-3'	"											"	
TP06-J1	5 #15	"	1430	2-3'	"											"	
TP07-J1	6 #16	"	1500	3-4'	"											"	
TP08-J1	7 #17	"	1530	1-2'	"											"	
TP09-J1	8 #18	"	1600	3-4'	"											"	
TP10-J1	9 #19	"	1630	3-4'	"											"	
TP11-J1	10 #20	"	1700	1-2'	"											"	

I. Sampled and Relinquished by
Sign Walter Cul
Print Walter Lanik
Firm H&A of NY
Date 8/21/90 Time 1715

I. Received by
Sign [illegible]
Print [illegible]
Firm GTC
Date 8/22 Time 945

II. Relinquished by
Sign
Print
Firm
Date Time

II. Received by
Sign
Print
Firm
Date Time

III. Relinquished by
Sign
Print
Firm
Date Time

III. Received by
Sign
Print
Firm
Date Time

IV. Relinquished by
Sign
Print
Firm
Date Time

IV. Received by
Sign
Print
Firm
Date Time

VOA Vial												LIQUID
Glass Bottle												
Plastic Bottle												
Preservative												
Container Volume												
VOA Vial												SOLID
Glass Jar												
Plastic Jar												
Preservative											A	
Container Volume												

Note: Sample bottles supplied by lab, unless indicated.

REMARKS: (Sample storage, nonstandard sample bottles)

Evidence Samples tampered with? ☐ No ☐ Yes

If Yes, explain in remarks.

PRESERVATION KEY: A Sample chilled, B Filtered, C Acidified with _____ D - NaOH, E - NaThiosulfate, F - Other

FOIL205317

General Testing Corporation

Syracuse

GTC REPORT # #2

SECTION D

DOCUMENTATION

Presented in this section is all support documentation requested.

Documentation Provided:

(X) Chain of Custody Forms

( ) Analytical Request Forms

( ) Shipping Receipts

( ) Laboratory Receipt Log

( ) Other:

080

290; 3422

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

H&A FILE NO. 70185-40
PROJECT Syracuse Site
H&A CONTACT E. Henderson

LABORATORY General Testing
ADDRESS Exchange St. Rochester
CONTACT Tracey Hurtz

DELIVERY DATE 24 Aug. 1995
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS

	H&A SAMPLE NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O&G				See comments X	NO. OF CONTAINERS	COMMENTS (Special instructions, cautions, etc.)	
#1	LBS-1A	19	8/23	1215	0.5-1.5'	Soil										X	4	Total: Pb, Cr, Cd; TCLP: Pb, Cr, Cd;	#6
#2	LBS-1B	20	"	1215	0.5-1.5'	"										X	4	PCB; Grease & Oil	#7
#3	LBS-Blk	62	"	1330	—	Water										X	6	✱	#8
#4	LBS-2	21	"	1500	0.5-1.5'	Soil										X	4		#9a
#5	LBS-3	21	"	1545	0.5-1.5'	"										X	4		#10

I. Sampled and Relinquished by Sign [signature] Print Walter Lamb Firm H&A of NY Date 8/23 Time 1700	I. Received by Sign [signature] Print Tom Hastings Firm GTC Date 8/24 Time 0930
II. Relinquished by Sign Print Firm Date Time	II. Received by Sign Print Firm Date Time
III. Relinquished by Sign Print Firm Date Time	III. Received by Sign Print Firm Date Time
IV. Relinquished by Sign Print Firm Date Time	IV. Received by Sign Print Firm Date Time

Evidence Samples tampered with? ☐ No ☐ Yes
If Yes, explain in remarks.

LIQUID	VOA Vial	
	Glass Bottle	C
	Plastic Bottle	C
	Preservative	
	Container Volume	
SOLID	VOA Vial	
	Glass Jar	A
	Plastic Jar	
	Preservative	
	Container Volume	

Note: Sample bottles supplied by lab, unless indicated.

PRESERVATION KEY: A Sample chilled, B Filtered, C Acidified with HNO_3, H_2SO_4, D - NaOH, E - NaThiosulfate, F - Other

REMARKS: (Sample storage, nonstandard sample bottles)

FOIL205319

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

H&A FILE NO. 70185-40
PROJECT Syracuse Site
H&A CONTACT E. Henderson

LABORATORY General Testing
ADDRESS Exchange St. Rochester
CONTACT Tracey Hurtz

DELIVERY DATE 23 August 1990
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS

H&A SAMPLE NO.	LABORATORY SAMPLE NO. (R90/3620 6T)	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O&G				see comments X	NO. OF CONTAINERS	COMMENTS (Special instructions, cautions, etc.)
R90/3070 #1 TP12-31A	11 010	8/22	0830	3-4'	SOIL											4	Total: Pb, Cr, Cd; TCLP: Pb, Cr, Cd;
#2 TP12-31B	12 011	"	0830	3-4'	"											4	PCB; Grease & Oil
#3 TP18-31	13 012	"	1100	3-4'	"											4	
#4 TP-BLK	61 013	"	1345	—	Water											6	
#5 SDS-2-1	14 014	"	1545	0-4"	SOIL											4	
#6 SDS-2-2	15 015	"	1600	0-4"	"											4	
#7 SDS-2-3	16 016	"	1620	0-4'	"											4	
#8 SDS-2-4	17 017	"	1645	0-4"	"											4	
#9 SDS-2-5	18 018	"	1710	0-4"	"											4	

LIQUID	VOA Vial			
	Glass Bottle			C
	Plastic Bottle			C
	Preservative			
	Container Volume			
SOLID	VOA Vial			
	Glass Jar			A
	Plastic Jar			
	Preservative			
	Container Volume			

Note: Sample bottles supplied by lab, unless indicated.

PRESERVATION KEY: A Sample chilled
B Filtered, C Acidified with H_2SO_4 / HNO_3
D - NaOH, E - NaThiosulfate, F - Other

I. Sampled and Relinquished by
Sign [illegible]
Print Walter Lonik
Firm H&A of NY
Date 8/22/10 Time 1730

I. Received by
Sign [illegible]
Print V Vraeger
Firm GTC
Date 8/23/90 Time 0930

II. Relinquished by
Sign
Print
Firm
Date Time

II. Received by
Sign
Print
Firm
Date Time

III. Relinquished by
Sign
Print
Firm
Date Time

III. Received by
Sign
Print
Firm
Date Time

IV. Relinquished by
Sign
Print
Firm
Date Time

IV. Received by
Sign
Print
Firm
Date Time

Evidence Samples tampered with? ☒ No ☐ Yes
If Yes, explain in remarks.

REMARKS: (Sample storage, nonstandard sample bottles)

FO[illegible]320

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

PAGE 1 OF 2

H&A FILE NO. 7 0 1 8 5 - 4 0
PROJECT Syracuse Site
H&A CONTACT E. Henderson

LABORATORY General Testing
ADDRESS Exchange St. Rochester
CONTACT Tracey Hurtz

DELIVERY DATE 25 August 1990
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS

	H&A SAMPLE NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O&G			See Comments		NO. OF CONTAINERS	COMMENTS (Special Instructions, cautions, etc.)	TCL
7	B101	23	8/24/90	0830		SOIL										X	4	TCLP, Total Metal, PCB,	24
8	B102	24	"	0900												X		Grease & Oil	25
9	B103A	25	"	0930												X			26
10	B103B	26	"	~~1015~~ 0930												X			27
11	B104	27	"	1015												X			28
12	B105	28	"	1115												X			29
13	B106	29	"	1315												X			30
14	TP19	30	"	1445												X			31
15	TP20	31	"	1515	QC											X			32
16	TP21	32	"	~~1740~~ 1545												X			33
17	TP22	33	"	1740												X			34

	LIQUID	SOLID
VOA Vial		
Glass Bottle		
PlasticBottle		
Preservative		
Container Volume		
VOA Vial		
Glass Jar		A
Plastic Jar		
Preservative		
Container Volume		

Note: Sample bottles supplied by lab, unless indicated.

PRESERVATION KEY: A Sample chilled, B Filtered, C Acidified with _____, D - NaOH, E - NaThiosulfate, F - Other

REMARKS: (Sample storage, nonstandard sample bottles)

I. Sampled and Relinquished
Sign [illegible]
Print [illegible]
Firm H&A of NY
Date 8/24/90 Time 1830

I. Received by
Sign Tom Hastings
Print Tom Hastings
Firm GTC
Date 8/25 Time 1200

II. Relinquished by
Sign
Print
Firm
Date Time

II. Received by
Sign
Print
Firm
Date Time

III. Relinquished by
Sign
Print
Firm
Date Time

III. Received by
Sign
Print
Firm
Date Time

IV. Relinquished by
Sign
Print
Firm
Date Time

IV. Received by
Sign
Print
Firm
Date Time

Evidence Samples tampered with? ☐ No ☐ Yes
If Yes, explain in remarks.

P90/31052

FOIL205321

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

H&A FILE NO. 70185-90
PROJECT Syracuse Site
H&A CONTACT E. Henderson

LABORATORY General Testing
ADDRESS Exchange St. Rochester
CONTACT Tracey Hurtz

DELIVERY DATE 25 August 1990
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS

	H&A SAMPLE NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O & G			See Comments	NO. OF CONTAINERS	COMMENTS (Special instructions, cautions, etc.)	TCLP
1	TP23	34	8/24/90	1730		SOIL									X	4	Total Metal, TCLP, PCB,	18
2	TP24A	35	"	1715											X	4	Grease & Oil	19
3	TP24B	36	"	1715											X	4		20
4	TP25	37	"	1800											X	4		21
5	FP1-Blk	63	"	1045		Water									X	6		22
6	TM-Blk	64	"	1830		"									X	6		23

	VOA Vial	Glass Bottle	Plastic Bottle	Preservative	Container Volume	VOA Vial	Glass Jar	Plastic Jar	Preservative	Container Volume
See Comments		C	C				A			

LIQUID: VOA Vial, Glass Bottle, Plastic Bottle, Preservative, Container Volume
SOLID: VOA Vial, Glass Jar, Plastic Jar, Preservative, Container Volume

Note: Sample bottles supplied by lab, unless indicated.

PRESERVATION KEY: A - Sample chilled, B - Filtered, C - Acidified with HNO_3 & H_2SO_4, D - NaOH, E - NaThiosulfate, F - Other

REMARKS: (Sample storage, nonstandard sample bottles)

I. Sampled and Relinquished by	I. Received by
Sign Walter Cat	Sign Tom Hastings
Print Walter Cat	Print Tom Hastings
Firm H&A of NY	Firm GTC
Date 8/24/90 Time 1830	Date 8/25 Time 1200
II. Relinquished by	II. Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time
III. Relinquished by	III. Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time
IV. Relinquished by	IV. Received by
Sign	Sign
Print	Print
Firm	Firm
Date Time	Date Time

Evidence Samples tampered with? ☐ No ☐ Yes
If Yes, explain in remarks.

R90/3652

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

H&A FILE NO. 7 0 1 8 5 - 4 0
PROJECT Syracuse Site
H&A CONTACT E. Henderson

LABORATORY General Testing
ADDRESS Exchange St. Rochester
CONTACT Tracey Hurtz

DELIVERY DATE 28 Aug. 1990
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS

	H&A SAMPLE NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O & G		See comments			NO. OF CONTAINERS	COMMENTS (Special Instructions, cautions, etc.)	TCLP
1	NGB-1	38	8/27/90	1520	0.7-1'	Soil								X			4	PCB; TCLP: Cd, Cr, Pb; Total: Pb, Cr, Cd	14
2	NGB-2	39	"	1530	0.5-1'	"								X			4	Grease & Oil	15
3	NGB-3	40	"	1540	0.8-1'	"								X			4		16
4	SDS-1-1A	41 GC	"	1615	0.5-1'	"								X			4		17
5	SDS-1-1B	42	"	1615		"								X			4		18
6	SDS-1-2	43	"	1625		"								X			4		19
7	SDS-1-3	44	"	1635		"								X			4		20
8	SDS-1-4	45	"	1645		"								X			4		21
9	SDS-1-5	46	"	1655		"								X			4		22
10	SGB-1	47	"	1750	0.5-1'	"								X			4		23
11	TSS-1	48	"	1800	"	"								X			4		24

	VOA Vial	Glass Bottle	Plastic Bottle	Preservative	Container Volume	VOA Vial	Glass Jar	Plastic Jar	Preservative	Container Volume
							A			
	LIQUID					SOLID				

I. Sampled and Relinquished by
Sign [signature]
Print Wa Ha Gaynik
Firm H&A of NY
Date 8/27/90 Time 1800

I. Received by
Sign [signature]
Print V Gardnik
Firm GTL
Date 8/28/90 Time 0930

II. Relinquished by
Sign
Print
Firm
Date Time

II. Received by
Sign
Print
Firm
Date Time

III. Relinquished by
Sign
Print
Firm
Date Time

III. Received by
Sign
Print
Firm
Date Time

IV. Relinquished by
Sign
Print
Firm
Date Time

IV. Received by
Sign
Print
Firm
Date Time

Evidence Samples tampered with? ☒ No ☐ Yes
If Yes, explain in remarks.

Note: Sample bottles supplied by lab, unless indicated.

PRESERVATION KEY: A Sample chilled, B Filtered, C Acidified with _____, D - NaOH, E - NaThiosulfate, F - Other

REMARKS: (Sample storage, nonstandard sample bottles)

FOIL205323

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

H&A FILE NO. 70 1 8 5 - 4 0
PROJECT Syracuse Site
H&A CONTACT E. Henderson

LABORATORY General Testing
ADDRESS Exchange St. Rochester
CONTACT Tracey Hurtz

DELIVERY DATE 28 Aug. 1990
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS

	H&A SAMPLE NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O & G		See Comments			NO. OF CONTAINERS	COMMENTS (Special instructions, cautions, etc.)	
12	SDS-Blk	66	8/27/90	1705	—	Water								X			5	PCB; Grease & Oil; TCLP: Cd, Cr, Pb;	25
	A-M																	Total: Pb, Cr, Cd.	
13	BG Blk	65	"	1600	—	"								X			5		26

ANALYSES

		VOA Vial	Glass Bottle	Plastic Bottle	Preservative	Container Volume	VOA Vial	Glass Jar	Plastic Jar	Preservative	Container Volume
See Comments			C	C							
		LIQUID					SOLID				

I. Sampled and Relinquished by
Sign [illegible]
Print [illegible]
Firm [illegible] of NY
Date 8/27/90 Time 1600

I. Received by
Sign [illegible]
Print V. GARDNER
Firm GTL
Date 8/28/90 Time 0930

II. Relinquished by
Sign
Print
Firm
Date Time

II. Received by
Sign
Print
Firm
Date Time

III. Relinquished by
Sign
Print
Firm
Date Time

III. Received by
Sign
Print
Firm
Date Time

IV. Relinquished by
Sign
Print
Firm
Date Time

IV. Received by
Sign
Print
Firm
Date Time

Evidence Samples tampered with? ☐ No ☐ Yes
If Yes, explain in remarks.

Note: Sample bottles supplied by lab, unless indicated.

PRESERVATION KEY: A - Sample chilled, B - Filtered, C - Acidified with HNO_3, H_2SO_4, D - NaOH, E - NaThiosulfate, F - Other

REMARKS: (Sample storage, nonstandard sample bottles)

R90/3671

R90/3671

R90/3671

Attachment J

**Analytical Results
from Phase II Investigation
of Plant No. 2**

Source: Reference 56

TABLE I
ROTH BROS. SMELTING CORP.
SUMMARY OF SAMPLE COLLECTION
(Page 1 of 2)

LOCATION	EXPLORATION NUMBER	FILL DEPTH (FT.)	SOIL SAMPLE	DUPLICATE	METALS, PCBs ANALYSES	LEAD ISOTOPE	TOTAL ORG. CARBON	CATION EXCH CAPACITY
PAVED FILL AREA	B201	0–3.0	X	X	X			
	B202	0–3.4	X		X			
	B203	0–3.2						
	B204	0–3.3						
	B205	0–4.1	X		X			
	B206	0–3.1	X		X			
	B207	0–3.0						
	B208	NE						
	B209	0–3.5	X		X			
	B210	0–3.0	X	X	X			
	B211	0–2.0						
	B212	0–3.1	X		X			
	B213	0–2.5	X		X			
	B214	0–2.8	X		X			
	B215	0–2.8	X		X	X	X	X
	B216	0–3.0	X		X			
	B217	0–2.5	X		X	X	X	X
	B218	0–3.5	X		X			
	B219	0–2.0	X		X			
	B220	0–2.7	X		X	X		
	B221	0–2.3	X		X			
	B222	0–2.1						
	B223	0–2.7	X		X			
	B224	0–3.0						
	B225	0–3.0	X		X			
	B226	0–2.5	X		X			
	B227	NE						
	B228	0–1.2	X		X	X	X	X
	B229	0–3.5	X		X			
	B230	0–3.0						
	B231	0–3.3	X		X			
	B232	0–2.6						
	B233	0–2.7	X		X			
	B234	0–5.0**	X		X			
	B235	0–4.4						
	B236	0–2.4						
	B237	0–4.8	X		X			
	B238	0–3.2	X		X			
	B239	0–5.1	X		X			
	B240	NE						
	B241	0–6.0	X		X			
	B242	0–6.0**						
	B243	0–5.2	X		X			
	B244	0–6.0						
	B245	0–3.5	X		X			
	B246	0–4.3	X		X			
	B247	0–3.5	X		X			
	B248	0–2.0						
	B249	0–2.0						
	B250	0–2.5	X		X			
	B251	0–3.0	X		X			
	B252	0–6.5	X		X			
	B277–OW	0–0.5						

FILE NO. 70185-42

TABLE I
ROTH BROS. SMELTING CORP.
SUMMARY OF SAMPLE COLLECTION
(Page 2 of 2)

LOCATION	BORING NUMBER	FILL DEPTH (FT.)	SOIL SAMPLE	DUPLICATE	METALS, PCBs ANALYSES	LEAD ISOTOPE	TOTAL ORG. CARBON	CATION EXCH CAPACITY
BAGHOUSE AREA	B253	NE	X	X	X			
	B254	NE	X		X			
	B255	NE						
	B256	0-7.8						
	B257	NE						
	B258	0-2.3						
	B259	0-3.0						
	B260	0-2.0	X		X			
	B261	0-2.0						
	B262	0-2.1						
	B263	0-1.5	X	X	X			
	B264	0-1.9	X		X			X
	B265	0-2.3	X		X			
	B266	0-1.3	X		X			X
	B267	NE						
	B268	0-3.0	X		X			
	B269	0-2.4	X		X			
	B270	NE						
	B271	0-3.0						
	B272	0-2.8	X		X			
	B273-OW	0-5.3	X		X			
	B274	0-1.8						
	B275	0-2.5	X		X			
	B276	0-3.3	X		X			
FILL AREA	B278-OW	0-3.0	X		X			
	B279-OW	0-2.0						
	B280-OW	0-1.0						
SOUTHWEST END OF PLANT 2	B281-OW	0-2.2						
LBS-3 AREA	B282	0-2.0**	X		X		X	X
	B283	0-2.0**	X		X			
	B284	0-2.0**	X		X		X	X
	B285	0-4.2**	X		X			
NEAR OUTFALL 001	B286-OW	0-0.5						
MAINTENANCE AREA	B287-OW	NE						
	B288	NE						
	B289	0-3.5						
	B290-OW	0-2.3						
TRENCHES IN FILL AREA	TP201	0-1.5	X		X		X	X
	TP202	0-3.5	X		X		X	X
STORM SEWER DISCHARGE *	SDS-1-6		X		X		X	
	SDS-1-7		X		X		X	
	SDS-1-8		X		X		X	

NOTES:

1. -OW indicates observation well installed in completed borehole.
2. See Appendix A for Test Boring Reports.
3. See Tables III and IV for summary of laboratory analytical results.
4. * Indicates sample collected from storm sewer manholes.
5. NE = Fill was not encountered in the exploration.
6. ** Indicates bottom of fill was not encountered during exploration.

zdh\70185-42\sample

FILE NO. 70185-42

TABLE II
ROTH BROS. SMELTING CORP.
LEAD ISOTOPE SAMPLE SUMMARY

LOCATION	SAMPLE NUMBER	LEAD CONCENTRATION	REMARKS
PAVED FILL AREA	B215	6220 PPM	ORIGINAL SAMPLE, pH 8.7
	B215	7.88 PPM	LEACHATE, pH<2
	B217	33.4 PPM	ORIGINAL SAMPLE, pH 9.4
	B217	ND	LEACHATE, pH<2
	B220	3740 PPM	ORIGINAL SAMPLE, pH 9.3
	B220	0.79 PPM	LEACHATE, pH<2
	B228	10300 PPM	ORIGINAL SAMPLE, pH 9.5
	B228	29.2 PPM	LEACHATE, pH<2
NATIVE SOIL	NGB-1	6 PPM	ORIGINAL SAMPLE
	NGB-2	15 PPM	ORIGINAL SAMPLE
LEAD DUST COMPOSITE	LDC-1	approx. 20%	LEAD DUST COLLECTED FROM HAZ. WASTE STORAGE BINS IN BAGHOUSE ALONG WEST PROPERTY BOUNDARY.
STACK SAMPLE	STACK #1	NAV	STACK SAMPLES WERE COLLECTED BY UPSTATE LABORATORY
	STACK #2	NAV	ON GLASS FIBER FILTERS WITH A 99.98% COLLECTION
	STACK #3	NAV	EFFICIENCY DOWN TO PARTICLE SIZE OF 0.3 MICRONS.
	STACK #4	NAV	
	STACK #5	NAV	
	FILTER BLANK	NAV	BLANK FOR QUALITY CONTROL

NOTES:

1. NAV = Data not aavailable.
2. PPM = Part per million.
3. See Table V for lead isotopic analyses data; see Figure 5 for plot of data.

ech:70185-42\isotope

FILE NO. 70185-42

TABLE III
ROTH BROS. SMELTING CORP.
PLANT 2

SUMMARY OF LABORATORY ANALYTICAL DATA
SOIL/FILL SAMPLES
(page 1 of 2)

LOCATION	SAMPLE NO.	DEPTH IN FEET	LEAD TOTAL	LEAD TCLP	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260	PCB TOTAL	pH VALUE	TOC	CEC
PAVED FILL AREA	B201-S1A	0.9-2.9	105	0.372	ND	ND	16.4	ND	ND	16.4	6.2		
NORTH OF PLANT 2	B201-S1B	0.9-2.9	58.2	0.461	ND	ND	23.9	ND	ND	23.9	7.4		
	B202-S1	1.0-3.0	575	1.49	ND	ND	82.7	ND	ND	82.7	9.2		
	B205-S1	1.0-3.0	131	0.226	ND	ND	13.5	ND	ND	13.5	8.3		
	B206-S1	1.0-3.0	2240	ND	ND	ND	20.6	ND	ND	20.6	6.9		
	B209-S1	1.0-3.0	302	0.333	ND	ND	1.4	ND	ND	1.40	9.0		
	B210-S1A	1.5-3.5	557	2.36	ND	ND	ND	3.70	ND	3.70	6.8		
	B210-S1B	1.5-3.5	6940	2.46	ND	ND	ND	3.73	ND	3.73	8.9		
	B212-S1	1.0-3.0	5.90	ND	ND	ND	0.025	ND	ND	0.025	9.5		
	B213-S1	1.0-3.0	35.3	ND	ND	ND	0.026	0.146	ND	0.172	8.7		
	B214-S1	1.0-3.0	231	ND	ND	ND	0.071	0.131	ND	0.202	8.9		
	B215-S1	1.0-3.0	6220	7.88	ND	0.550	ND	0.760	ND	1.31	8.7	1.47	4.14
	B216-S1	1.0-3.0	366	2.92	4.23	ND	ND	1.44	ND	5.67	8.4		
	B217-S1	1.0-3.0	33.4	ND	ND	ND	ND	0.238	ND	0.238	9.4	2.38	18.1
	B218-S1	1.0-3.0	124	4.54	ND	ND	1.89	1.53	ND	3.42	8.85		
	B219-S1	1.0-3.0	2370	7.52	ND	ND	ND	60.3	ND	60.3	9.0		
	B220-S1	1.0-3.0	3740	0.790	ND	ND	15.2	16	ND	31.2	9.3		
	B221-S1	1.0-3.0	98.9	ND	ND	ND	ND	ND	ND	0	8.9		
	B223-S1	1.0-3.0	58.7	ND	ND	ND	16.5	ND	ND	16.5	8.9		
	B225-S1	1.0-3.0	9730	ND	3.64	ND	ND	2.37	ND	6.01	9.0		
	B226-S1	1.0-3.0	314	2.11	ND	ND	0.735	1.10	ND	1.84	8.7		
	B228-S1	1.5-2.5	10300	29.2	ND	ND	0.262	0.671	ND	1.03	9.5	1.43	12.3
	B229-S1	1.0-3.0	156	0.730	ND	ND	7.35	1.05	ND	8.40	10.1		
	B231-S1	1.0-3.0	29.9	0.195	ND	ND	0.580	0.070	ND	0.650	10.0		
	B233-S1	1.0-3.0	250	1.13	2.38	ND	ND	1.81	ND	4.19	8.7		
	B234-S1	1.0-3.0	64.3	11.0	0.236	ND	ND	0.030	ND	0.266	7.9		
	B237-S1	1.0-3.0	196	ND	ND	ND	0.512	0.648	ND	1.16	7.15		
	B238-S1	1.0-3.0	160	ND	ND	ND	1.28	0.399	ND	1.68	6.9		
	B239-S1	1.0-3.0	31.4	ND	ND	ND	ND	0.027	ND	0.027	6.4		
	B239-S2	3.0-5.0	1280	21.6	ND	ND	0.894	0.761	ND	1.66	7.2		
	B241-S1	0.5-2.5	ND	0.160	ND	ND	ND	ND	ND	0.0	8.75		
	B243-S1	1.0-3.0	40000	ND	ND	ND	0.904	ND	ND	0.904	8.95		
	B243-S2	3.0-5.0	56500	30.7	ND	ND	4.97	ND	ND	4.97	11.5		
	B245-S1	1.0-3.0	14700	ND	ND	ND	1.05	ND	ND	1.05	10.4		
	B250-S1	0.0-2.0	15000	26.0	ND	ND	1.32	3.82	ND	5.14	9.55		
	B251-S1	0.0-2.0	3570	28.0	ND	ND	6.00	3.63	ND	9.63	9.2		
	B252-S1	0.0-2.0	147	ND	ND	ND	19.3	ND	ND	19.3	11.5		
COMPARISON CRITERIA (2)			500	5.00						25			

FILE NO. 70185-42

TABLE III
ROTH BROS. SMELTING CORP.
PLANT 2

SUMMARY OF LABORATORY ANALYTICAL DATA
SOIL/FILL SAMPLES

(page 2 of 2)

LOCATION	SAMPLE NO.	DEPTH IN FEET	LEAD TOTAL	LEAD TCLP	PCB 1232	PCB 1242	PCB 1248	PCB 1254	PCB 1260	PCB TOTAL	pH VALUE	TOC	CEC
BAGHOUSE/SCRAP	B253-S1	1.0-3.0	34.8	ND	ND	ND	ND	ND	ND	0.0	10.4		
STORAGE AREA	B254-S1	1.0-3.0	16.0	ND	ND	ND	ND	ND	ND	0.0	10.1		
	B254-S2	3.0-5.0	ND	ND	ND	ND	ND	ND	ND	0.0	8.5		
	B260-S1A	1.0-3.0	44.6	ND	ND	ND	ND	0.930	ND	0.0	7.0		
	B260-S1B	1.0-3.0	33.0	ND	ND	ND	ND	0.076	ND	.960	6.8		
	B263-S1A	1.0-3.0	17.7	ND	ND	ND	0.021	0.285	ND	.076	8.7		
	B263-S1B	1.0-3.0	63.2	ND	ND	ND	ND	ND	ND	.306	8.8		
	B263-S2	3.0-5.0	ND	ND	ND	ND	0.711	0.691	ND	0.0	8.3		
	B264-S1	0.5-2.5	29600	189	ND	ND	0.380	0.593	ND	1.402	7.6		10.2
	B265-S1	0.5-2.5	ND	ND	ND	ND	ND	0.133	ND	.973	8.2		
	B266-S1	0.5-2.5	30.0	ND	ND	ND	ND	0.031	ND	.133	8.9		8.96
	B268-S1	0.5-2.5	64.0	ND	ND	ND	ND	4.95	ND	.031	8.65		
	B269-S1	0.5-2.5	ND	ND	ND	ND	ND	ND	ND	4.95	8.9		
	B272-S1	1.0-3.0	36.3	ND	ND	ND	ND	0.267	ND	0.0	8.6		
	B273-S1	1.0-3.0	33.0	ND	ND	ND	ND	0.552	ND	.267	7.05		
	B274-S1	1.0-3.0	2960	ND	ND	ND	ND	0.517	ND	.552	10.15		
	B275-S1	1.0-3.0	152	ND	ND	ND	ND	0.060	ND	.517	9.6		
	B276-S1	1.0-3.0	350	ND	ND	ND	ND	ND	ND	.060	8.4		
FILL AREA	B278-S1	0-2.0	752	5.05	ND	ND	72.3	ND	ND	72.3	7.6		8.79
	B278-S2	2.0-4.0	120	ND	ND	ND	27.7	ND	ND	27.7	8.55		
	B278-S3	4.0-6.0	ND	ND	ND	ND	0.067	ND	ND	.067	7.2		
	TP201-J1	1.5-2.5	563	4.35	ND	ND	29.4	ND	ND	29.4	10.35	1.40	4.26
	TP201-J2	2.5-3.0	42.0	ND	ND	ND	1.62	ND	ND	1.62	10.2	ND	3.33
	TP202-J1	2.5-3.0	348	5.40	ND	ND	164	ND	ND	164	8.9[illegible]		
LBS-3 AREA	B282-S1	0-2.0	1850	12.2	ND	ND	7.13	ND	ND	7.13	8.15	1.37	6.00
	B283-S1	0-2.0	2650	22.7	ND	ND	3.19	ND	ND	3.19	8.2		
	B284-S1	0-2.0	1530	14.3	ND	ND	40.1	ND	ND	40.1	8.75	1.04	6.06
	B285-S1	0-4.0	3740	21.0	ND	ND	0.447	0.803	ND	1.25	7.95		
STORM SEWER	SDS-1-6	0-0.3	25500	157	ND	ND	9.20	ND	1.72	10.92	8.9	2.15	
DISCHARGE	SDS-1-7	0-0.3	35700	74.5	ND	ND	10.3	ND	1.65	11.95	8.7	7.03	
	SDS-1-8	0-0.3	41500	135	ND	ND	1.78	ND	2.80	4.58	7.55	11.5	
COMPARISON CRITERIA (2)			500	5.00						25			

NOTES:

1. Concentrations expressed in parts per million (ppm). See also note 7.
2. Concentrations which are outlined exceed comparison criteria.
   Comparison criteria consist of: 1) Superfund Record of Decision: United Scrap Lead, OH (Sept. 1988); 1987) 2) EPA Regulatory Levels for Toxicity Characteristics Constituents; and 3) EPA 40 CFR Part 761 PCB Spill Cleanup Policy 1987.
3. ND indicates analyte not detected above laboratory detection limits.
4. TCLP: Toxicity Characteristic Leaching Procedure
5. TOC: Total Organic Carbon. Analyses performed on subset of 10 samples.
6. PCB Total: Sum total of PCBs detected.
7. CEC: Cation Exchange Capacity. Analyses only performed on subset of 10 samples. Concentrations expressed in milliequivalents per 100 grams (meq/100 g).

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FILE NO. 70185-42

FILE NO. 70185-42

H & A OF NEW YORK
ROCHESTER, NEW YORK

TABLE IV
ROTH BROS. SMELTING CORP.
PLANT 2

SUMMARY OF LABORATORY ANALYTICAL DATA
GROUNDWATER SAMPLES

WELL NO.		0273-OW	0277-OW	0277-OW DUPLICATE	0278-OW * NOV/JAN	0279-OW * NOV/JAN	0279-OW DUPLICATE	0280-OW	0281-OW	0286-OW	0287-OW	0290-OW	0291-OW	0292-OW	0293-OW	WATER QUALITY CRITERIA TOGS 1.1.1 CLASS GA GW	6 NYCRR PART 703.5 GW STDS.	10 NYCRR PART 5 DW STDS.
ALUMINUM	TOTAL	7.48	1.85	40.1	211 / 8.22	8.30 / 7.30	16.7	24.8	4.20	8.70	1.47	17.0	27.1	5.70	17.7			
	DISS.	ND	ND	ND	0.16 / 0.22	20.0 / 3.51	3.84	0.11	ND	ND	0.120	ND	ND	ND	ND	NAV	NAV	NAV
CALCIUM	TOTAL	447	177	187	180 / 34.2	44.9 / 22.9	25.8	472	197	355	426	371	177	98.2	123			
	DISS.	428	93.0	ND	6.84 / 19.8	35.4 / 25.5	27.6	97.0	190	314	464	255	94.1	65.3	70.5	NAV	NAV	NAV
IRON	TOTAL	15.9	52.5	54.7	299 / 10.2	93.1 / 55.7	44.7	23.7	3.18	7.73	1.07	27.5	602	18.5	14.6			
	DISS.	0.165 JMI	ND JMI	0.151 JMI	0.575 JMI / 0.225	39.0 JMI / 8.75	9.40	ND JMI	ND JMI	ND JMI	ND JMI	0.625 JMI	0.076	0.109	ND	0.300 TS	0.300	0.300 (A)
POTASSIUM	TOTAL	19.5	12.0	13.9	47.0 / 8.45	14.1 / 4.36	7.19	9.80	5.52	15.6	5.15	12.4	9.97	6.44	5.41			
	DISS.	9.11	15.5	8.45	1.46 / 2.04	5.04 / 4.13	5.00	0.296	3.54	10.9	5.47	4.47	1.71	2.32	3.10	NAV	NAV	NAV
LEAD	TOTAL	ND	ND	0.058	1.52 / 0.0477	0.204 / 0.293	0.212	ND	ND	ND	ND	0.039	0.0268	0.292	0.0268			
	DISS.	ND	ND	ND	ND / ND	0.117 / 0.0142	0.0197	ND	ND	ND	ND	ND	ND	ND	ND	0.025 TS	0.025	0.050
PCBs		ND (Total)	ND (Total)	ND (Total)	24.4 / ND (Total)/(Diss.)	ND / ND (Total)/(Diss.)	ND (Diss.)	ND (Total)	ND (Total)	ND (Total)	ND (Total)	ND (Total)	ND (Diss.)	ND (Diss.)	ND (Diss.)	0.0001 TS	0.0001	
PET. HYDROCARBON (IR)		NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	4.52	NA	NA	NA			
PET. HYDROCARBON (GC)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA			
pH (After Devel., 1/29/91)		6.60	7.50	NA	8.5	7.9	NA	NA	7.2	7.3	7.2	7.2	7.8	8.2	7.5			
CONDUCTIVITY (1/29/91)		5700	1350	NA	3200	5100	NA	NA	2070	2660	2420	2100	1580	1900	1620			
TEMPERATURE (C - 1/29/91)		8.60	24.2	NA	20.6	14	NA	NA	23.7	22.9	17.3	12.3	NA	NA	NA			

NOTES:

1. Concentrations expressed in parts per million (ppm).
2. Concentrations which are outlined exceed water quality criteria.
3. ND indicates analyte not detected above laboratory detection limits.
4. TS = TOGS 1.1.1 Standard. See Note 7.
5. (A) Total concentration of Iron and Manganese should not exceed 500 ug/l (0.500 ppm).
6. NAV = Data not available
7. Water quality criteria references:
   TOGS 1.1.1: NYSDEC Division of Water Technical and Operational Guidance Series (1.1.1), "Ambient Water Quality Standards and Guidance Values, April 1, 1987, NYSDEC Memorandum.
   NYCRR, Title 6, Chapter X, "Water Quality Regulations - Surface Water and Groundwater Classifications and Standard", Part 703, Paragraph 703.5, NYSDEC, Revised March 31, 1990.
   NYCRR, Title 10, Part 5, "Regulations for Drinking Water Supplies", NYSDOH.
8. Total samples were not filtered and contained sediment. Dissolved (Diss.) samples were field filtered.
9. JMI = Indicates an estimated value due to matrix spike and/or matrix spike duplicate outside control limits. Matrix interference suspected; repeat analysis still unacceptable.
10. NA = Indicates sample not analyzed.
11. pH and Conductivity analyzed on 29 January 1991 by H&A of New York personnel.
12. * = Indicates well was sampled during two events. Data presented shows results from both events.

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FILE NO. 70185-42

H & A OF NEW YORK
ROCHESTER, NEW YORK

TABLE V
ROTH BROS. SMELTING CORP.
PLANT 2

LEAD ISOTOPIC ANALYSES

Location	Sample	Pb Conc. (ppm)	208Pb/204Pb	% Std. Err.	207Pb/204Pb	% Std. Err.	206Pb/204Pb	% Std. Err.	206Pb/207Pb	% Std. Err.
PAVED FILL AREA	B215-S1 L	7.88	37.782	0.016	15.527	0.014	18.102	0.016	1.166	0.011
	B228-S1 L	29.2	38.504	0.022	15.650	0.045	19.236	0.019	1.123	0.049
	B217-S1 L	ND	38.110	0.082	15.571	0.080	18.511	0.092	1.189	0.021
	B220-S1 L	0.79	38.004	0.159	15.542	0.123	18.425	0.161	1.184	0.137
	B215-S1	6220	37.840	0.015	15.539	0.013	18.124	0.015	1.166	0.013
	B228-S1	10300	38.669	0.016	15.688	0.016	19.281	0.017	1.229	0.017
	B217-S1	33.4	37.993	0.008	15.553	0.007	18.274	0.007	1.175	0.007
	B220-S1	3740	38.034	0.184	15.545	0.127	18.365	0.181	1.177	0.200
STACK EMISSIONS	Stack #1	--	38.474	0.021	15.644	0.018	19.238	0.028	1.229	0.034
	Stack #2	--	38.623	0.033	15.667	0.014	19.389	0.026	1.238	0.023
	Stack #3	--	38.556	0.041	15.654	0.031	19.195	0.039	1.227	0.052
	Stack #4	--	38.371	0.006	15.623	0.007	19.022	0.008	1.218	0.006
	Stack #5	--	38.130	0.015	15.584	0.012	18.710	0.015	1.200	0.010
BAGHOUSE DUST	LDC-1	* 200000	38.360	0.016	15.638	0.009	19.054	0.022	1.218	0.017
NATIVE SOIL	NBG-1	6	38.058	0.083	15.531	0.064	18.640	0.109	1.200	0.124
	NBG-2	15	38.274	0.009	15.604	0.006	18.956	0.008	1.215	0.005

NOTES:

1. Lead isotopic analyses was conducted by the Department of Geological Sciences, University of Rochester. Samples were provided to the University by H&A of New York.
2. Lead concentrations shown in the third column are derived from TCLP and total lead analyses conducted by General Testing Corporation (GTC).
3. * Lead concentration for LDC-1 (Baghouse Dust) is an approximation. The sample was not analyzed by GTC.
4. L indicates sample consists of leachate derived from the TCLP analyses.
5. ND indicates lead was not detected above laboratory detection limits.
6. -- indicates data not available.
7. See Figure 5 for plot of data in this table.

edh\70185-42\h&a-lead

12/20

General Testing Corporation

A Full Service Environmental Laboratory

December 17, 1990

Ms. Elizabeth Henderson
H&A of N.Y.
189 North Water Street
Rochester, New York 14604

Re: Syracuse Project Round II

Dear Ms. Henderson:

Enclosed please find General Testing's analytical report on samples received between October 24, 1990 and November 09, 1990.

All analytical data has been reviewed prior to report submittal and appears in Section A. The associated Quality Control and Laboratory Chronology are shown in Sections B and C respectively. Any pertinent documentation can be found in Section D.

If any questions or comments should occur, please contact me directly at (716) 454-3760.

Thank you once again for allowing General Testing the opportunity to provide these services.

Sincerely,

GENERAL TESTING CORP.

Tracey G. Hurtz

Tracey G. Hurtz
Client Representative

Enc.
TH:th
a:syracuse

710 Exchange Street • Rochester, New York 14608 • (716) 454-3760 • Fax (716) 454-1245
85 Trinity Place • Hackensack, NJ 07601 • (201) 488-5242 • Fax (201) 488-6386
435 Lawrence Bell Drive • Amherst, NY 14221 • (716) 634-0454 • Fax (716) 634-9019

General Testing Corporation

DATA AND QUALITY CONTROL QUALIFIERS

U - Indicates compound was analyzed but was not observed at a quantifiable concentration.

J - Indicates an estimated value due to failure of QA/QC requirements

J Qualifiers (used in conjunction with J and/or QC page or chronology)

S - Surrogate recoveries outside of control limits

St - Surrogate recoveries outside of control limits, analysis repeated, same results obtained, matrix interference suspected

r - Laboratory replicates outside of laboratory advisory limits

t - Matrix interference suspected

h - Holding time exceeded for analysis

p - EPA-approved protocol has been amended upon client request

M - Matrix spike and/or matrix spike duplicate outside control limits

Mt - same as M
ORGANIC PARAMETERS: Matrix interference suspected, Organic reference standard was acceptable.

INORGANIC PARAMETERS: Matrix interference suspected, Repeat analysis still unacceptable

Mr - INORGANICS PARAMETERS: Matrix interference suspected, repeat analysis not conducted due to holding time limitations

B - Indicates that the analyte was found in the associated laboratory or field blank

B Qualifiers (used in conjunction with B)

l - Contamination in lab or method blank

t - Contamination in trip blank

x - Contamination in two or more types of blanks (i.e. Lab or Method, Trip, Equipment, or Field Filtration Blank)

e - Contamination in equipment blank

f - Contamination in field filtration blank

d - Results multiplied by dilution factor

MISCELLANEOUS QC AND DATA QUALIFIERS

ND - Not Detectable

*+ - No limits currently established

D - Surrogate standard diluted out

V - Spiked recovery cannot be determined, sample value >4 times spike concentration

NC - Not Calculable

t - Surrogate Matrix Interference

NS - No Sample

** - See Attached Data

R - Sample re-analyzed outside of holding time

++ - Outside Laboratory acceptance limits (Blank Spikes, Ref. Spikes)

LE - Lab Error: No data available

NA - Not Analyzed

I - Insufficient sample to re-analyze

UP - Unable to perform analysis due to sample matrix

RC - Results confirmed via repeat analysis

General Testing Corporation

CASE NARRATIVE

JOB #: R90/4635
COMPANY: H & A-SYRACUSE-ROUND II

PCB ANALYSIS

Soil samples from H & A-Syracuse-Round II were analyzed for PCB's using method 8080 from SW-846. The samples were received 10/24-25 and extracted on 10/29-30. The surrogate standard recovery for tetrachloro-m-xylene was outside of QC limits for samples R90/4635-006, 008, 017 and 019 due to suspected matrix interference. The recovery for the second surrogate standard, dibutylchlorendate (DBC), was acceptable for all of these samples. The recoveries for both TCMX and DBC could not be determined on samples R90/4635-009 and 014 due to the levels of PCB's detected and are flagged "D" for being diluted out.

Samples R90/4635-001, 011 and 016 were used for the matrix spike/matrix spike (MS/MSD) duplicate results by spiking with PCB 1242. The % recovery in the MS/MSD could not be determined on sample 011 due to the levels of PCB 1248 detected in the sample and the % recovery is flagged "V". The MS/MSD recovery and the precision data for PCB 1242 on samples 011 and 016 were all within acceptance limits. However, PCB 1254 detected in the sample was outside acceptance limits for precision and the data for sample 011 and 015 has been flagged "Jr". The reference check recovery for PCB 1242 was acceptable.

Due to the mixtures of PCB's present in these samples, quantitation was sometimes difficult. The exact fingerprinting of the PCB's in the sample did not always match that of the standards used because of the mixtures present. Interpretation and quantitation was done based on the PCB's that matched the closest.

METALS ANALYSIS

The above reference samples were analyzed for total lead and TCLP lead for the TCLP extraction using SW-846 methodologies. The matrix spike recovery for total lead on samples R90/4635-022 and 037 could not be determined due to the levels of lead detected in the samples. The recoveries are flagged "V". All other QC data was acceptable.

FOIL205335

General Testing Corporation

CASE NARRATIVE

JOB #: R90/4671
COMPANY: H & A-SYRACUSE ROUND II

PCB ANALYSIS

Soil samples from H & A-Syracuse round II were analyzed for PCB's using method 8080 from SW-846. The recovery for the surrogate standard Dibutylchlorendate (DBC) was out of QC limits on sample R90/4671-005 due to suspected matrix interference. The recovery for the second surrogate Tetrachloro-m-xylene (TCMX) was within QC limits on all samples. Also the recovery for both DBC and TCMX could not be determined on samples R90/4671-006, -007 and -008 due to the levels of PCB's detected in the sample since a 1/100 dilution had to be performed. The recovery results are flagged "D".

Sample R90/4671-006 was used for the matrix spike. Matrix spike duplicate (MS/MSD) by spiking with PCB1242. The % recovery in the MS/MSD could not be determined due to the levels of PCB1248 detected in the sample and the % recovery is flagged "D" for being diluted out. The precision results for PCB1248 and the reference check recovery were acceptable.

METALS ANALYSIS

The above referenced samples were analyzed for total Lead and TCLP Lead for the TCLP extraction using SW-846 methodologies. The matrix spike recovery for total Lead on sample R90/4671-006 could not be determined due to the levels of Lead detected in the samples being more than four times greater than the spike level added. The recovery has been flagged "V". All other QC data was acceptable.

FOIL205336

General Testing Corporation

CASE NARRATIVE

JOB #: R90/4722
COMPANY: H & A-SYRACUSE ROUND II

PCB ANALYSIS

Soil samples from H & A-Syracuse Round II were analyzed for PCB's using method 8080 from SW-846. The recovery for the surrogate standard Tetrachloro-m-xylene (TCMX) was outside of QC limits on samples R90/4722-004, -005, -009, -011 and -012. The recovery for the second surrogate, Dibutylchlorendate (DBC) was within limits on all samples. The high TCMX recoveries were probably due to background matrix interferences.

METALS ANALYSIS

The above referenced samples were analyzed for Total Lead and TCLP Lead following the TCLP extraction using SW-846 methodologies. No analytical or QC problems were encountered.

FOIL205337

General Testing Corporation

CASE NARRATIVE

JOB #: R90/4763
COMPANY: H & A-SYRACUSE ROUND II

PCB ANALYSIS

Soil samples from H & A-Syracuse round II, job number R90/4763, were analyzed for PCB's using method 8080 from SW-846. The recovery for the surrogate standard Tetrachloro-m-xylene (TCMX) was out of QC limits on sample R90/4763-002 due to suspected matrix interference. The recovery for the second surrogate Dibutylchlorendate (DBC) was within QC limits on all samples.

Sample R90/4763-004 was used for the matrix spike / matrix spike duplicate (MS/MSD) by spiking with PCB1242. The % recovery in the MS/MSD could not be determined due to the levels of PCB1248 detected in the sample and the % recovery is flagged "D" for being diluted out. The precision results for PCB1248 and the reference check recovery were acceptable.

METALS ANALYSIS

The above referenced samples were analyzed for total Lead and TCLP Lead for the TCLP extraction using SW-846 methodologies. The matrix spike recovery for total Lead on sample R90/4763-004 could not be determined due to the levels of lead detected in the samples being more than four times greater than the spike level added. The recovery has been flagged "V". All other QC data was acceptable.

FOIL205338

General Testing Corporation

CASE NARRATIVE

JOB #: R90/4770
COMPANY: H & A-SYRACUSE-ROUND II

PCB ANALYSIS

H & A soil samples from Syracuse-Round II, were analyzed for PCB's using method 8080 from SW-846. No analytical or GC problems were encountered.

METALS ANALYSIS

The above referenced sample were analyzed for total lead and TCMP lead using approved EPA SW-846 methods. No analytical or GC problems were encountered.

General Testing Corporation

CASE NARRATIVE

JOB #: R90/4880
COMPANY: H & A-SYRACUSE ROUND II

PCB ANALYSIS

Soil samples from H & A-Syracuse round II were analyzed for PCB's using method 8080 from SW-846. The recovery for the surrogate standard Dibutylchlorendate (DBC) was outside of QC limits for samples R90/4880-010 and -011. However, the recovery for the second surrogate standard (tetrachloro-m-xylene) was within limits on all samples.

PETROLEUM HYDROCARBON ANALYSIS

H & A soil sample R90/4880-009 was analyzed for Petroleum Hydrocarbons using method 310-13 from the NYSDOH Analytical handbook. No analytical or QC problems were encountered.

METALS ANALYSIS

The above referenced samples were analyzed for Aluminum, Calcium, Iron, Lead and Potassium - both total and soluble metals. All Iron soluble results have been flagged "JMt" indicating that the matrix spike on sample R90/4880-017 was outside QC limits. This was a repeat analysis as a result of QC problems on the initial analysis. No other analytical problems were encountered.

FOIL205340

General Testing Corporation

CASE NARRATIVE

JOB #: R90/4887
COMPANY: H & A-SYRACUSE ROUND II

PCB ANALYSIS

Soil samples from H & A-Syracuse round II, job number R90/4887 were analyzed for PCB's using method 8080 from SW-846. The recovery for the surrogate standard Dibutylchlorendate was outside of QC limits for the sample R90/4887-003 due to suspected matrix interferences. The recovery for the second surrogate standard Tetrachloro-m-xylene was acceptable on all samples

METALS ANALYSIS

The above referenced samples were analyzed for total Lead and TCLP Lead following a TCLP extraction using SW-846 methodologies. No analytical problems were encountered.

FOIL205341

General Testing Corporation

GTC REPORT # SYRACUSE ROUND II

REPORT INDEX

SECTION A: Analytical Data

SECTION B: Quality Control Data

SECTION C: Analytical Chronology

SECTION D: Field Documentation

FOIL205342

General Testing Corporation

GTC REPORT # SYRACUSE ROUND II

SECTION A

ANALYTICAL DATA

Presented in this section is analytical data for the parameters requested. The following references concerning units and analytical methodology apply to the data herein.

Units: Field Parameters: as specified

Inorganics, TOX, TOC: as specified

Organics: as specifed

Analytical Methodology Obtained From:

( ) Federal Register, 40 CFR Part 136, Guidelines Establishing

Test Procedures for the analyses of Pollutants under the

Clean Water Act, 10/26/84.

(X) SW-846, Test Methods for Evaluating Solid Waste, 3rd Edition, 9/86.

( ) Other

FOIL205343

SOIL ANALYSIS

FOIL205344

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B201-S1A 1-3 FT.	B201-S1B 1-3 FT.	B202-S1 1-3 FT.	B205-S1 1-3 FT.	B210-S1A 1-3 FT.	B210-S1B 1-3 FT.	B209-S1 1-3 FT.	B206-S1 1-3 FT.
Date Collected:	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90
Time Collected:	11:30	11:30	12:30	14:00	14:45	14:45	15:30	17:00
Lead, Total								
TCLP Metals	**	**	**	**	**	**	**	**
8080 Scan (Pest./PCB's)	**	**	**	**	**	**	**	**

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0012

FOIL205345

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B201-S1A 1-3 FT.	B201-S1B 1-3 FT.	B202-S1 1-3 FT.	B205-S1 1-3 FT.	B210-S1A 1-3 FT.	B210-S1B 1-3 FT.	B209-S1 1-3 FT.	B206-S1 1-3 FT.
Date Collected:	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90
Time Collected:	11:30	11:30	12:30	14:00	14:45	14:45	15:30	17:00
TCLP Extraction Metals ***								
Lead	0.372	0.461	1.49	0.226	2.36	2.46	0.383	0.50 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Pellys

Laboratory Director

FOIL205346

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B201-S1A 1-3 FT.	B201-S1B 1-3 FT.	B202-S1 1-3 FT.	B205-S1 1-3 FT.	B210-S1A 1-3 FT.	B210-S1B 1-3 FT.	B209-S1 1-3 FT.	B206-S1 1-3 FT.
Date Collected:	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90	10/24/90
Time Collected:	11:30	11:30	12:30	14:00	14:45	14:45	15:30	17:00
Date Extracted:	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90
Date Analyzed:	11/21/90	11/21/90	11/21,24/90	11/21/90	11/21/90	11/22/90	11/22/90	11/22/90
PCB 1016	2000 U	2000 U	20,000 U	2000 U	2000 U	2000 U	200 U	2000 U
PCB 1221	2000 U	2000 U	20,000 U	2000 U	2000 U	2000 U	200 U	2000 U
PCB 1232	2000 U	2000 U	20,000 U	2000 U	2000 U	2000 U	200 U	2000 U
PCB 1242	2000 U	2000 U	20,000 U	2000 U	2000 U	2000 U	200 U	2000 U
PCB 1248	16,400	23,900	82,700	13,500	2000 U	2000 U	1400	20,600
PCB 1254	2000 U	2000 U	2000 U	2000 U	3700	3730	200 U	2000 U
PCB 1260	2000 U	2000 U	2000 U	2000 U	2000 U	2000 U	200 U	2000 U
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	82%	59%	51%	68%	88%	157%t	122%	213%t
Dibutylchlorendate (Acceptance Limits: 24-150%)	48%	46%	35%	51%	63%	86%	42%	35%

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0014

FOIL205347

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-009	-010	-011	-012	-013	-014	-015	-016
Location:	B219-S1 1-3 FT.	B212-S1 1-3 FT.	B213-S1 1-3 FT.	B221-S1 1-3 FT.	B228-S1 0.5-1.5FT	B220-S1 1-3 FT.	B214-S1 1-3 FT.	B215-S1 1-3 FT.
Date Collected:	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90
Time Collected:	08:00	09:00	09:45	10:15	10:45	11:30	12:00	13:30
Lead, Total								
TCLP Metals	**	**	**	**	**	**	**	**
8080 Scan (Pest./PCB's)	**	**	**	**	**	**	**	**

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0015

FOIL205348

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-009	-010	-011	-012	-013	-014	-015	-016
Location:	B219-S1 1-3 FT.	B212-S1 1-3 FT.	B213-S1 1-3 FT.	B221-S1 1-3 FT.	B228-S1 0.5-1.5FT	B220-S1 1-3 FT.	B214-S1 1-3 FT.	B215-S1 1-3 FT.
Date Collected:	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90
Time Collected:	08:00	09:00	09:45	10:15	10:45	11:30	12:00	13:30
TCLP Extraction Metals ***								
Lead	7.52	0.50 U	0.50 U	0.50 U	29.2	0.790	0.50 U	7.88

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry

Laboratory Director

0016

FOIL205349

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-009	-010	-011	-012	-013	-014	-015	-016
Location:	B219-S1 1-3 FT.	B212-S1 1-3 FT.	B213-S1 1-3 FT.	B221-S1 1-3 FT.	B228-S1 0.5-1.5FT	B220-S1 1-3 FT.	B214-S1 1-3 FT.	B215-S1 1-3 FT.
Date Collected:	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90
Time Collected:	08:00	09:00	09:45	10:15	10:45	11:30	12:00	13:30
Date Extracted:	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90	10/30/90
Date Analyzed:	11/24/90	11/17/90	11/22/90	11/22/90	11/22/90	11/22/90	11/17/90	11/28/90
PCB 1016	2000 U	20 U	20 U	200 U	200 U	2000 U	20 U	200 U
PCB 1221	2000 U	20 U	20 U	200 U	200 U	2000 U	20 U	200 U
PCB 1232	2000 U	20 U	20 U	200 U	200 U	2000 U	20 U	200 U
PCB 1242	2000 U	20 U	20 U	200 U	200 U	2000 U	20 U	550
PCB 1248	2000 U	25.4	25.8	200 U	362	15,200	71.1	200 U
PCB 1254	60,300	20 U	146 Jr	200 U	671	16,000	131 Jr	760
PCB 1260	2000 U	20 U	20 U	200 U	200 U	2000 U	20 U	200 U
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	0	99%	112%	99%	137%	0	94%	79%
Dibutylchlorendate (Acceptance Limits: 24-150%)	0	65%	84%	65%	61%	0	55%	26%

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0017

FOIL205350

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-017	-018	-019	-020	-022	-023	-024	-025
Location:	B223-S1 1-3 FT.	B216-S1 1-3 FT.	B217-S1 1-3 FT.	B218-S1 1-3 FT.	B201-S1A 1-3 FT.	B201-S1B 1-3 FT.	B202-S1 1-3 FT.	B205-S1 1-3 FT.
Date Collected:	10/25/90	10/25/90	10/25/90	10/25/90	10/24/90	10/24/90	10/24/90	10/24/90
Time Collected:	14:00	15:00	15:30	16:00	11:30	11:30	12:00	14:00
Lead, Total					105	68.2	575	131
TCLP Metals	**	**	**	**				
8080 Scan (Pest./PCB's)	**	**	**	**				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0018

FOIL205351

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-017	-018	-019	-020	-022	-023	-024	-025
Location:	B223-S1 1-3 FT.	B216-S1 1-3 FT.	B217-S1 1-3 FT.	B218-S1 1-3 FT.	B201-S1A 1-3 FT.	B201-S1B 1-3 FT.	B202-S1 1-3 FT.	B205-S1 1-3 FT.
Date Collected:	10/25/90	10/25/90	10/25/90	10/25/90	10/24/90	10/24/90	10/24/90	10/24/90
Time Collected:	14:00	15:00	15:30	16:00	11:30	11:30	12:00	14:00
TCLP Extraction Metals ***								
Lead	0.50 U	2.92	0.50 U	4.54				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry
0019
Laboratory Director

FOIL205352

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-017	-018	-019	-020	-022	-023	-024	-025
Location:	B223-S1 1-3 FT.	B216-S1 1-3 FT.	B217-S1 1-3 FT.	B218-S1 1-3 FT.	B201-S1A 1-3 FT.	B201-S1B 1-3 FT.	B202-S1 1-3 FT.	B205-S1 1-3 FT.
Date Collected:	10/25/90	10/25/90	10/25/90	10/25/90	10/24/90	10/24/90	10/24/90	10/24/90
Time Collected:	14:00	15:00	15:30	16:00	11:30	11:30	12:00	14:00
Date Extracted:	10/30/90	10/30/90	10/30/90	10/30/90				
Date Analyzed:	11/22/90	11/22,24/90	11/22/90	11/22/90				
PCB 1016	2000 U	2000 U	200 U	200 U				
PCB 1221	2000 U	2000 U	200 U	200 U				
PCB 1232	2000 U	4230	200 U	200 U				
PCB 1242	2000 U	2000 U	200 U	200 U				
PCB 1248	16,500	2000 U	200 U	1890				
PCB 1254	2000 U	1440	238	1530				
PCB 1260	2000 U	2000 U	200 U	200 U				
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	182%t	109%	175%t	79%				
Dibutylchlorendate (Acceptance Limits: 24-150%)	44%	57%	44%	39%				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0020

FOIL205353

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-026	-027	-028	-029	-030	-031	-032	-033
Location:	B210-S1A 1-3 FT.	B210-S1B 1-3 FT.	B209-S1 1-3 FT.	B206-S1 1-3 FT.	B219-S1 1-3 FT.	B212-S1 1-3 FT.	B213-S1 1-3 FT.	B221-S1 1-3 FT.
Date Collected:	10/24/90	10/24/90	10/24/90	10/24/90	10/25/90	10/25/90	10/25/90	10/25/90
Time Collected:	14:45	14:45	15:30	17:00	08:00	09:00	09:45	10:15
Lead, Total	557	6940	302	2240	2370	5.90	35.3	98.9
TCLP Metals								
8080 Scan (Pest./PCB's)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0021

FOIL205354

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-034	-035	-036	-037	-038	-039	-040	-041
Location:	B228-S1 0.5-1.5FT	B220-S1 1-3 FT.	B214-S1 1-3 FT.	B215-S1 1-3 FT.	B223-S1 1-3 FT.	B216-S1 1-3 FT.	B217-S1 1-3 FT.	B218-S1 1-3 FT.
Date Collected:	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90	10/25/90
Time Collected:	10:45	11:30	12:00	13:30	14:00	15:00	15:30	16:00
Lead, Total	10,300	3740	231	6220	56.7	366	33.4	124
TCLP Metals								
8080 Scan (Pest./PCB's)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0022

FOIL205355

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYTICAL UNITS - mg/l

Sample:	-021	-042						
Location:	Blank #1	Blk #1						
Date Collected:	10/24/90	10/24/90						
Time Collected:	--	--						
Lead, Total		0.050 U						
TCLP Metals	**							
8080 Scan (Pest./PCB's)	**							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0023

FOIL205356

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-021	-042						
Location:	Blank #1	Blk #1						
Date Collected:	10/24/90	10/24/90						
Time Collected:	--	--						
TCLP Extraction Metals ***								
Lead	0.50 U							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry

Laboratory Director

FOIL205357

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-021							
Location:	Blank #1							
Date Collected:	10/24/90							
Time Collected:	--							
Date Extracted:	10/29/90							
Date Analyzed:	11/16/90							
PCB 1016	0.50 U							
PCB 1221	0.50 U							
PCB 1232	0.50 U							
PCB 1242	0.50 U							
PCB 1248	0.50 U							
PCB 1254	0.50 U							
PCB 1260	0.50 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	74%							
Dibutylchlorendate (Acceptance Limits: 24-154%)	89%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0025

FOIL205358

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04643 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse Round 2

Received : 10/27/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B229-S1 1-3'	B231-S1 1-3'	B233-S1 1-3'	B234-S1 1-3'	B225-S1 1-3'	B226-S1 1-3'	B241-S1 0.5-2.5'	B229-S1 1-3'
Date Collected:	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90
Time Collected:	08:30	09:15	11:15	13:00	13:30	14:00	14:30	08:30
Lead, Total	156	29.9	250	64.3	9730	314	5.0 U	
TCLP Metals								**
8080 Scan (Pest./PCB's)	**	**	**	**	**	**	**	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Laboratory Director

0026

FOIL205359

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04643 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/27/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B229-S1 1-3'	B231-S1 1-3'	B233-S1 1-3'	B234-S1 1-3'	B225-S1 1-3'	B226-S1 1-3'	B241-S1 0.5-2.5'	B229-S1 1-3'
Date Collected:	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90
Time Collected:	08:30	09:15	11:15	13:00	13:30	14:00	14:30	08:30
TCLP Extraction Metals ***								
Lead								0.730

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry

Laboratory Director

0027

FOIL205360

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04643 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/27/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B229-S1 1-3'	B231-S1 1-3'	B233-S1 1-3'	B234-S1 1-3'	B225-S1 1-3'	B226-S1 1-3'	B241-S1 0.5-2.5'	B229-S1 1-3'
Date Collected:	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90
Time Collected:	08:30	09:15	11:15	13:00	13:30	14:00	14:30	08:30
Date Extracted:	11/02/90	11/02/90	11/02/90	11/02/90	11/02/90	11/02/90	11/02/90	
Date Analyzed:	11/9,24/90	11/24,29/90	11/24/90	11/25/90	11/25/90	11/09/90	11/25/90	
PCB 1016	1000 U	200 U	400 U	20.0 U	400 U	200 U	20.0 U	
PCB 1221	1000 U	200 U	400 U	20.0 U	400 U	200 U	20.0 U	
PCB 1232	1000 U	200 U	2380	23.6	3640	200 U	20.0 U	
PCB 1242	1000 U	200 U	400 U	20.0 U	400 U	200 U	20.0 U	
PCB 1248	7350	580	400 U	20.0 U	400 U	738	20.0 U	
PCB 1254	1050	70.0	1810	30.1	2370	1100	20.0 U	
PCB 1260	200 U	20.0 U	400 U	20.0 U	400 U	200 U	20.0 U	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	88%	106%	133%	115%	118%	99%	98%	
Dibutylchlorendate (Acceptance Limits: 24-150%)	48%	90%	124%	132%	105%	78%	43%	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K Perry
Laboratory Director

0026

FOIL205361

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04643 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Round 2

Received : 10/27/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-009	-010	-011	-012	-013	-014		
Location:	B231-S1 1-3'	B233-S1 1-3'	B234-S1 1-3'	B225-S1 1-3'	B226-S1 1-3'	B241-S1 0.5-2.5'		
Date Collected:	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90		
Time Collected:	09:15	11:15	13:00	13:30	14:00	14:30		
Lead, Total								
TCLP Metals	**	**	**	**	**	**		
8080 Scan (Pest./PCB's)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04643 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/27/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-009	-010	-011	-012	-013	-014		
Location:	B231-S1 1-3'	B233-S1 1-3'	B234-S1 1-3'	B225-S1 1-3'	B226-S1 1-3'	B241-S1 0.5-2.5'		
Date Collected:	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90	10/26/90		
Time Collected:	09:15	11:15	13:00	13:30	14:00	14:30		
TCLP Extraction Metals ***								
Lead	0.195	1.13	11.0	0.50 U	2.11	0.160		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry
00030

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04643 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/27/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-016							
Location:	Lab Blank							
Date Collected:	--							
Time Collected:	--							
Date Extracted:	11/02/90							
Date Analyzed:	11/09/90							
PCB 1016	20.0 U							
PCB 1221	20.0 U							
PCB 1232	20.0 U							
PCB 1242	20.0 U							
PCB 1248	20.0 U							
PCB 1254	20.0 U							
PCB 1260	20.0 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	86%							
Dibutylchlorendate (Acceptance Limits: 24-150%)	85%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0031

FOIL205364

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B239-S1 1-3'	B239-S2 3-5'	B238-S1 1-3'	B237-S1 1-3'	B243-S1 1-3'	B243-S2 3-5'	B252-S1 0-2'	B251-S1 0-2'
Date Collected:	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90
Time Collected:	08:15	08:20	08:45	09:15	10:30	10:35	13:45	14:15
Lead, Total	31.4	1280	160	196	40,000	56,500	147	3570
TCLP Metals								
8080 Scan (Pest./PCB's)	**	**	**	**	**	**	**	**

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0032

FOIL205365

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B239-S1 1-3'	B239-S2 3-5'	B238-S1 1-3'	B237-S1 1-3'	B243-S1 1-3'	B243-S2 3-5'	B252-S1 0-2'	B251-S1 0-2'
Date Collected:	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90
Time Collected:	08:15	08:20	08:45	09:15	10:30	10:35	13:45	14:15
Date Extracted:	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90
Date Analyzed:	11/18,22/90	11/22/90	11/23/90	11/23/90	11/23/90	11/29/90	11/23/90	11/23/90
PCB 1016	200 U	200 U	200 U	200 U	200 U	2000 U	2000 U	2000 U
PCB 1221	200 U	200 U	200 U	200 U	200 U	2000 U	2000 U	2000 U
PCB 1232	200 U	200 U	200 U	200 U	200 U	2000 U	2000 U	2000 U
PCB 1242	200 U	200 U	200 U	200 U	200 U	2000 U	2000 U	2000 U
PCB 1248	200 U	894	1280	512	904	4970	19,800	6000
PCB 1254	27.2	761	399	648	200 U	2000 U	2000 U	3630
PCB 1260	20.0 U	200 U	200 U	200 U	200 U	2000 U	2000 U	2000 U
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	131%	134%	139%	129%	120%	0	0	0
Dibutylchlorendate (Acceptance Limits: 24-150%)	74%	34%	72%	65%	279%t	0	0	0

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0033

FOIL205366

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-009	-010	-011	-013	-014	-015	-016	-017
Location:	B250-S1 0-2'	B245-S1 1-3'	B253-S1 1-3'	B239-S1 1-3'	B239-S2 3-5'	B238-S1 1-3'	B237-S1 1-3'	B243-S1 1-3'
Date Collected:	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90
Time Collected:	14:45	15:30	16:30	08:15	08:20	08:45	09:15	10:30
Lead, Total	15,000	14,700	34.8					
TCLP Metals				**	**	**	**	**
8080 Scan (Pest./PCB's)	**	**	**					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0034

FOIL205367

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/30/90 P.O. #: -

ANALYTICAL RESULTS - mg/l

Sample:	-009	-010	-011	-013	-014	-015	-016	-017
Location:	B250-S1 0-2'	B245-S1 1-3'	B253-S1 1-3'	B239-S1 1-3'	B239-S2 3-5'	B238-S1 1-3'	B237-S1 1-3'	B243-S1 1-3'
Date Collected:	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90
Time Collected:	14:45	15:30	16:30	08:15	08:20	08:45	09:15	10:30
TCLP Extraction Metals ***								
Lead				0.50 U	21.6	0.50 U	0.50 U	0.50 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry 0035
Laboratory Director

FOIL205368

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYSIS BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-009	-010	-011	-013	-014	-015	-016	-017
Location:	B250-S1 0-2'	B245-S1 1-3'	B253-S1 1-3'	B239-S1 1-3'	B239-S2 3-5'	B238-S1 1-3'	B237-S1 1-3'	B243-S1 1-3'
Date Collected:	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90
Time Collected:	14:45	15:30	16:30	08:15	08:20	08:45	09:15	10:30
Date Extracted:	11/05/90	11/05/90	11/05/90					
Date Analyzed:	11/23,30/90	11/23/90	11/29/90					
PCB 1016	200 U	200 U	20.0 U					
PCB 1221	200 U	200 U	20.0 U					
PCB 1232	200 U	200 U	20.0 U					
PCB 1242	200 U	200 U	20.0 U					
PCB 1248	1320	1050	20.0 U					
PCB 1254	3820	200 U	20.0 U					
PCB 1260	200 U	200 U	20.0 U					
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	115%	96%	89%					
Dibutylchlorendate (Acceptance Limits: 24-150%)	42%	118%	90%					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

0036

FOIL205369

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-018	-019	-020	-021	-022	-023		
Location:	B243-S2 3-5'	B252-S1 0-2'	B251-S1 0-2'	B250-S1 0-2'	B245-S1 1-3'	B253-S1 1-3'		
Date Collected:	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90		
Time Collected:	10:35	13:45	14:15	14:45	15:30	16:30		
Lead, Total								
TCLP Metals	**	**	**	**	**	**		
8080 Scan (Pest./PCB's)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0037

FOIL205370

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-018	-019	-020	-021	-022	-023		
Location:	B243-S2	B252-S1	B251-S1	B250-S1	B245-S1	B253-S1		
	3-5'	0-2'	0-2'	0-2'	1-3'	1-3'		
Date Collected:	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90	10/29/90		
Time Collected:	10:35	13:45	14:15	14:45	15:30	16:30		
TCLP Extraction Metals ***								
Lead	30.7	0.50 U	28.0	28.0	0.50 U	0.50 U		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry 0038

Laboratory Director

FOIL205071

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYTICAL UNITS - mg/l

Sample:	-012	-024					
Location:	Blank #2	Blank #2					
Date Collected:	10/29/90	10/29/90					
Time Collected:	13:00	13:00					
Lead, Total	0.050 U						
TCLP Metals		**					
8080 Scan (Pest./PCB's)	**						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry 0039
Laboratory Director

FOIL205372

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-012	-024						
Location:	Blank #2	Blank #2						
Date Collected:	10/29/90	10/29/90						
Time Collected:	13:00	13:00						
TCLP Extraction Metals ***								
Lead		0.50 U						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry 0040

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-012	-024						
Location:	Blank #2	Blank #2						
Date Collected:	10/29/90	10/29/90						
Time Collected:	13:00	13:00						
Date Extracted:	11/01/90							
Date Analyzed:	11/18/90							
PCB 1016	0.50 U							
PCB 1221	0.50 U							
PCB 1232	0.50 U							
PCB 1242	0.50 U							
PCB 1248	0.50 U							
PCB 1254	0.50 U							
PCB 1260	0.50 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	83%							
Dibutylchlorendate (Acceptance Limits: 24-154%)	100%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0041

FOIL205374

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	8265-S1 0.5-2.5'	8268-S1 0.5-2.5'	8269-S1 0.5-2.5'	8273-S1 1-3'	8274-S1 1-3'	8254-S1 1-3'	8254-S2 3-5'	8260-S1A 1-3'
Date Collected:	10/30/90	10/30/90	10/30/90	10/31/90	10/31/90	10/30/90	10/30/90	10/30/90
Time Collected:	15:40	16:00	16:20	09:45	14:30	08:15	08:20	11:00
Lead, Total	5.0 U	64.0	5.0 U	33.0	2980	16.0	5.0 U	44.6
TCLP Metals								
8080 Scan (Pest./PCB's)	**	**	**	**	**	**	**	**

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael E. Perry
Laboratory Director

0042

FOIL205375

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B265-S1 0.5-2.5'	B268-S1 0.5-2.5'	B269-S1 0.5-2.5'	B273-S1 1-3'	B274-S1 1-3'	B254-S1 1-3'	B254-S2 3-5'	B260-S1A 1-3'
Date Collected:	10/30/90	10/30/90	10/30/90	10/31/90	10/31/90	10/30/90	10/30/90	10/30/90
Time Collected:	15:40	16:00	16:20	09:45	14:30	08:15	08:20	11:00
Date Extracted:	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90
Date Analyzed:	11/23/90, 12/04/90	12/04/90	11/23/90	12/04/90	12/04/90	12/04/90	12/04/90	12/04,05/90
PCB 1016	200 U	2000 U	20.0 U	200 U	200 U	20.0 U	20.0 U	200 U
PCB 1221	200 U	2000 U	20.0 U	200 U	200 U	20.0 U	20.0 U	200 U
PCB 1232	200 U	2000 U	20.0 U	200 U	200 U	20.0 U	20.0 U	200 U
PCB 1242	200 U	2000 U	20.0 U	200 U	200 U	20.0 U	20.0 U	200 U
PCB 1248	200 U	2000 U	20.0 U	200 U	200 U	20.0 U	20.0 U	200 U
PCB 1254	133	4950	20.0 U	552	517	20.0 U	20.0 U	980
PCB 1260	20.0 U	2000 U	20.0 U	200 U	200 U	20.0 U	20.0 U	20.0 U
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	136%	104%	101%	156%++	151%++	123%	96%	115%
Dibutylchlorendate (Acceptance Limits: 24-150%)	84%	67%	71%	107%	83%	48%	115%	38%

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0043

FOIL205376

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-009	-011	-012	-013	-014	-015	-016	-017
Location:	B260-S1B 1-3'	B275-S1 1-3.5'	B276-S1 1-3.5'	B272-S1 1-3'	B263-S1A 1-3'	B263-S1B 1-3'	B263-S2 3-5'	B264-S1 0.5-2.5'
Date Collected:	10/30/90	10/31/90	10/31/90	10/31/90	10/30/90	10/30/90	10/30/90	10/30/90
Time Collected:	11:00	14:45	15:15	16:15	12:45	12:45	12:50	13:45
Lead, Total	33.0	152	350	36.3	17.7	63.2	5.0 U	29,600
TCLP Metals								
8080 Scan (Pest./PCB's)	**	**	**	**	**	**	**	**

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0044

FOIL205377

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-009	-011	-012	-013	-014	-015	-016	-017
Location:	B260-S1B 1-3'	B275-S1 1-3.5'	B276-S1 1-3.5'	B272-S1 1-3'	B263-S1A 1-3'	B263-S1B 1-3'	B263-S2 3-5'	B264-S1 0.5-2.5'
Date Collected:	10/30/90	10/31/90	10/31/90	10/31/90	10/30/90	10/30/90	10/30/90	10/30/90
Time Collected:	11:00	14:45	15:15	16:15	12:45	12:45	12:50	13:45
Date Extracted:	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90
Date Analyzed:	11/24/90, 12/04/90	11/24/90, 12/04/90	12/05/90	11/24/90	11/24/90	12/04/90	11/27/90	11/28/90
PCB 1016	200 U	200 U	200 U	200 U	20.0 U	20.0 U	200 U	200 U
PCB 1221	200 U	200 U	200 U	200 U	20.0 U	20.0 U	200 U	200 U
PCB 1232	200 U	200 U	200 U	200 U	20.0 U	20.0 U	200 U	200 U
PCB 1242	200 U	200 U	200 U	200 U	20.0 U	20.0 U	200 U	200 U
PCB 1248	200 U	200 U	200 U	200 U	20.9	20.0 U	711	380
PCB 1254	76.0	60.0	200 U	267	28.5	20.0 U	691	593
PCB 1260	20.0 U	20.0 U	200 U	200 U	20.0 U	20.0 U	200 U	200 U
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	143%++	147%++	199%++	141%	105%	102%	74%	129%
Dibutylchlorendate (Acceptance Limits: 24-150%)	83%	75%	90%	116%	67%	105%	25%	61%

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0045

FOIL205378

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-018	-019	-020	-021	-022	-023	-024	-025
Location:	B266-S1	B265-S1	B268-S1	B269-S1	B273-S1	B274-S1	B254-S1	B245-S2
	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'	1-3'	1-3'	1-3'	3-5'
Date Collected:	10/30/90	10/30/90	10/30/90	10/30/90	10/31/90	10/31/90	10/30/90	10/30/90
Time Collected:	15:15	15:40	16:00	16:20	09:45	14:30	08:15	08:20
Lead, Total	30.0							
TCLP Metals		**	**	**	**	**	**	**
8080 Scan (Pest./PCB's)	**							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0046

FOIL205379

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-018	-019	-020	-021	-022	-023	-024	-025
Location:	B266-S1	B265-S1	B268-S1	B269-S1	B273-S1	B274-S1	B254-S1	B245-S2
	0.5-2.5'	0.5-2.5'	0.5-2.5'	0.5-2.5'	1-3'	1-3'	1-3'	3-5'
Date Collected:	10/30/90	10/30/90	10/30/90	10/30/90	10/31/90	10/31/90	10/30/90	10/30/90
Time Collected:	15:15	15:40	16:00	16:20	09:45	14:30	08:15	08:20
TCLP Extraction Metals ***								
Lead		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry
Laboratory Director

0047

FOIL205380

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-018	-019	-020	-021	-022	-023	-024	-025
Location:	B266-S1 0.5-2.5'	B265-S1 0.5-2.5'	B268-S1 0.5-2.5'	B269-S1 0.5-2.5'	B273-S1 1-3'	B274-S1 1-3'	B254-S1 1-3'	B245-S2 3-5'
Date Collected:	10/30/90	10/30/90	10/30/90	10/30/90	10/31/90	10/31/90	10/30/90	10/30/90
Time Collected:	15:15	15:40	16:00	16:20	09:45	14:30	08:15	08:20
Date Extracted:	11/07/90							
Date Analyzed:	11/27/90							
PCB 1016	20.0 U							
PCB 1221	20.0 U							
PCB 1232	20.0 U							
PCB 1242	20.0 U							
PCB 1248	20.0 U							
PCB 1254	30.7							
PCB 1260	20.0 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	102%							
Dibutylchlorendate (Acceptance Limits: 24-150%)	52%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0048

FOIL205381

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-026	-027	-029	-030	-031	-032	-033	-034
Location:	B260-S1A 1-3'	B260-S1B 1-3'	B275-S1 1-3.5'	B276-S1 1-3.5'	B272-S1 1-3'	B263-S1A 1-3'	B263-S1B 1-3'	B263-S2 3-5'
Date Collected:	10/30/90	10/30/90	10/31/90	10/31/90	10/31/90	10/30/90	10/30/90	10/30/90
Time Collected:	1:00	11:00	14:45	15:15	16:15	12:45	12:45	12:50
Lead, Total								
TCLP Metals	**	**	**	**	**	**	**	**
8080 Scan (Pest./PCB's)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0049

FOIL205382

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-026	-027	-029	-030	-031	-032	-033	-034
Location:	B260-S1A 1-3'	B260-S1B 1-3'	B275-S1 1-3.5'	B276-S1 1-3.5'	B272-S1 1-3'	B263-S1A 1-3'	B263-S1B 1-3'	B263-S2 3-5'
Date Collected:	10/30/90	10/30/90	10/31/90	10/31/90	10/31/90	10/30/90	10/30/90	10/30/90
Time Collected:	1:00	11:00	14:45	15:15	16:15	12:45	12:45	12:50
TCLP Extraction Metals ***								
Lead	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

0050

Michael K. Perry
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-035	-036						
Location:	B264-S1	B266-S1						
	0.5-2.5'	0.5-2.5'						
Date Collected:	10/30/90	10/30/90						
Time Collected:	13:45	15:15						
Lead, Total								
TCLP Metals	**	**						
8080 Scan (Pest./PCB's)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-035	-036						
Location:	B264-S1	B266-S1						
	0.5-2.5'	0.5-2.5'						
Date Collected:	10/30/90	10/30/90						
Time Collected:	13:45	15:15						
TCLP Extraction Metals ***								
Lead	189	0.50 U						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry 0052
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYTICAL UNITS - mg/l

Sample:	-010	-028						
Location:	Blank #3	Blank #3						
Date Collected:	10/30/90	10/30/90						
Time Collected:	13:00	13:00						
Lead, Total	0.050 U							
TCLP Metals		**						
8080 Scan (Pest./PCB's)	**							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0053

FOIL205386

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-010	-028						
Location:	Blank #3	Blank #3						
Date Collected:	10/30/90	10/30/90						
Time Collected:	13:00	13:00						
TCLP Extraction Metals ***								
Lead		0.50 U						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-010	-028					
Location:	Blank #3	Blank #3					
Date Collected:	10/30/90	10/30/90					
Time Collected:	13:00	13:00					
Date Extracted:	11/06/90						
Date Analyzed:	11/23/90						
PCB 1016	0.50 U						
PCB 1221	0.50 U						
PCB 1232	0.50 U						
PCB 1242	0.50 U						
PCB 1248	0.50 U						
PCB 1254	0.50 U						
PCB 1260	0.50 U						
Surrogate Standard Recovery							
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	96%						
Dibutylchlorendate (Acceptance Limits: 24-154%)	113%						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

0055

FOIL205388

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04763 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse Round II

Received : 11/03/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003	-004	-006	-007	-008	-009
Location:	B278-S1 0-2'	B278-S2 2-4'	B278-S3 4-6'	TP201-J1 1.5-2.5'	TP201-J2 2.5-3'	TP202-J1 2.5-3'	B278-S1 0-2'	B278-S2 2-4'
Date Collected:	11/01/90	11/01/90	11/01/90	11/02/90	11/02/90	11/02/90	11/01/90	11/01/90
Time Collected:	15:20	15:30	15:45	15:30	15:40	16:10	15:20	15:30
Lead, Total	752	120	5.0 U	563	42.0	348		
TCLP Metals							**	**
8080 Scan (Pest./PCB's)	**	**	**	**	**	**		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael A. Perry 2056
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04763 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/03/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003	-004	-006	-007	-008	-009
Location:	B278-S1 0-2'	B278-S2 2-4'	B278-S3 4-6'	TP201-J1 1.5-2.5'	TP201-J2 2.5-3'	TP202-J1 2.5-3'	B278-S1 0-2'	B278-S2 2-4'
Date Collected:	11/01/90	11/01/90	11/01/90	11/02/90	11/02/90	11/02/90	11/01/90	11/01/90
Time Collected:	15:20	15:30	15:45	15:30	15:40	16:10	15:20	15:30
TCLP Extraction Metals ***								
Lead							5.05	0.50 U

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry

0057

Laboratory Director

FOIL205390

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04763 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/03/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-001	-002	-003	-004	-006	-007	-008	-009
Location:	B278-S1 0-2'	B278-S2 2-4'	B278-S3 4-6'	TP201-J1 1.5-2.5'	TP201-J2 2.5-3'	TP202-J1 2.5-3'	B278-S1 0-2'	B278-S2 2-4'
Date Collected:	11/01/90	11/01/90	11/01/90	11/02/90	11/02/90	11/02/90	11/01/90	11/01/90
Time Collected:	15:20	15:30	15:45	15:30	15:40	16:10	15:20	15:30
Date Extracted:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90		
Date Analyzed:	11/25,27/90	11/25,27/90	11/21/90	11/25,27/90	11/25/90	11/26/90, 12/03/90		
PCB 1016	20,000 U	4000 U	20.0 U	4000 U	200 U	20,000 U		
PCB 1221	20,000 U	4000 U	20.0 U	4000 U	200 U	20,000 U		
PCB 1232	20,000 U	4000 U	20.0 U	4000 U	200 U	20,000 U		
PCB 1242	20,000 U	4000 U	20.0 U	4000 U	200 U	20,000 U		
PCB 1248	72,300	27,700	67.0	29,400	1620	164,000		
PCB 1254	2000 U	2000 U	20.0 U	2000 U	200 U	2000 U		
PCB 1260	2000 U	2000 U	20.0 U	2000 U	200 U	2000 U		
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	96%	150%t	93%	88%	111%	44%		
Dibutylchlorendate (Acceptance Limits: 24-150%)	62%	69%	25%	130%	94%	140%		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

0055

FOIL205391

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04763 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Round II

Received : 11/03/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-010	-011	-013	-014				
Location:	B278-S3 4-6'	TP201-J1 1.5-2.5	TP201-J2 2.5-3'	TP201-J1 2.5-3'				
Date Collected:	11/01/90	11/02/90	11/02/90	11/02/90				
Time Collected:	15:45	15:30	15:40	16:10				
Lead, Total								
TCLP Metals	**	**	**	**				
8080 Scan (Pest./PCB's)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Laboratory Director

0059

FOIL205392

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04763 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/03/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-010	-011	-013	-014				
Location:	B27B-S3 4-6'	TP201-J1 1.5-2.5	TP201-J2 2.5-3'	TP201-J1 2.5-3'				
Date Collected:	11/01/90	11/02/90	11/02/90	11/02/90				
Time Collected:	15:45	15:30	15:40	16:10				
TCLP Extraction Metals ***								
Lead	0.50 U	4.35	0.50 U	5.40				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry 0060

Laboratory Director

FOIL205393

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04763 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Round II

Received : 11/03/90 P.O. #:

ANALYTICAL UNITS - mg/l

Sample:	-005	-012					
Location:	Blank #4	Blank #4					
Date Collected:	11/02/90	11/02/90					
Time Collected:	14:30	14:30					
Lead, Total	0.050 U						
TCLP Metals		**					
8080 Scan (Pest./PCB's)	**						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry 0061

Laboratory Director

FOIL205394

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04763 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/03/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-005	-012						
Location:	Blank #4	Blank #4						
Date Collected:	11/02/90	11/02/90						
Time Collected:	14:30	14:30						
TCLP Extraction Metals ***								
Lead		0.50 U						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry 0062

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04763 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/03/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-005	-012						
Location:	Blank #4	Blank #4						
Date Collected:	11/02/90	11/02/90						
Time Collected:	14:30	14:30						
Date Extracted:	11/07/90							
Date Analyzed:	11/20/90							
PCB 1016	0.50 U							
PCB 1221	0.50 U							
PCB 1232	0.50 U							
PCB 1242	0.50 U							
PCB 1248	0.50 U							
PCB 1254	0.50 U							
PCB 1260	0.50 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	87%							
Dibutylchlorendate (Acceptance Limits: 24-154%)	84%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

0063

FOIL205396

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04776 Date: DEC. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse - Round II

Received : 11/06/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B282-S1 0-2'	B283-S1 0-2'	B284-S1 0-2'	B285-S1 0-4'	B282-S1 0-2'	B283-S1 0-2'	B284-S1 0-2'	B285-S1 0-4'
Date Collected:	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90
Time Collected:	15:30	15:45	16:00	16:15	15:30	15:45	16:00	16:15
Lead, Total	1850	2650	1530	3740				
TCLP Metals					**	**	**	**
8080 Scan (Pest./PCB's)	**	**	**	**				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K. Perry
Laboratory Director

0064

FOIL205397

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04776 Date: DEC. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round II

Received : 11/06/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B282-S1 0-2'	B283-S1 0-2'	B284-S1 0-2'	B285-S1 0-4'	B282-S1 0-2'	B283-S1 0-2'	B284-S1 0-2'	B285-S1 0-4'
Date Collected:	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90
Time Collected:	15:30	15:45	16:00	16:15	15:30	15:45	16:00	16:15
TCLP Extraction Metals ***								
Lead					12.2	22.7	14.3	21.0

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K. Perry

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04776 Date: DEC. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round II

Received : 11/06/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B282-S1 0-2'	B283-S1 0-2'	B284-S1 0-2'	B285-S1 0-4'	B282-S1 0-2'	B283-S1 0-2'	B284-S1 0-2'	B285-S1 0-4'
Date Collected:	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90	11/05/90
Time Collected:	15:30	15:45	16:00	16:15	15:30	15:45	16:00	16:15
Date Extracted:	11/09/90	11/09/90	11/09/90	11/09/90				
Date Analyzed:	11/25,27/90	11/25,27/90	11/25,27/90	11/25/90				
PCB 1016	2000 U	1000 U	2000 U	200 U				
PCB 1221	2000 U	1000 U	2000 U	200 U				
PCB 1232	2000 U	1000 U	2000 U	200 U				
PCB 1242	2000 U	1000 U	2000 U	200 U				
PCB 1248	7130	3190	40,100	447				
PCB 1254	200 U	200 U	200 U	803				
PCB 1260	200 U	200 U	200 U	200 U				
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	109%	140%	129%	129%				
Dibutylchlorendate (Acceptance Limits: 24-150%)	46%	56%	45%	76%				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

0066

FOIL205399

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04776 Date: DEC. 10 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round II

Received : 11/06/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-009							
Location:	Lab Blank							
Date Collected:	--							
Time Collected:	--							
Date Extracted:	11/09/90							
Date Analyzed:	11/20/90							
PCB 1016	20.0 U							
PCB 1221	20.0 U							
PCB 1232	20.0 U							
PCB 1242	20.0 U							
PCB 1248	20.0 U							
PCB 1254	20.0 U							
PCB 1260	20.0 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	93%							
Dibutylchlorendate (Acceptance Limits: 24-150%)	64%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0067

FOIL205400

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04887 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006		
Location:	SDS-1-6 0-4"	SDS-1-7 0-4"	SDS-1-8 0-4"	SDS-1-6 0-4"	SDS-1-7 0-4"	SDS-1-8 0-4"		
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90		
Time Collected:	14:30	14:20	14:10	14:30	14:20	14:10		
Lead, Total	26,500	35,700	41,500					
TCLP Metals				**	**	**		
8080 Scan (Pest./PCB's)	**	**	**					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Michael K Perry 0068

Laboratory Director

FOIL205401

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04887 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003	-004	-005	-006		
Location:	SDS-1-6 0-4"	SDS-1-7 0-4"	SDS-1-8 0-4"	SDS-1-6 0-4"	SDS-1-7 0-4"	SDS-1-8 0-4"		
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90		
Time Collected:	14:30	14:20	14:10	14:30	14:20	14:10		
TCLP Extraction Metals ***								
Lead				157	74.5	135		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

***TCLP Toxicity Characteristic Leaching Procedure.
Federal Register, Part 261, Vol. 55, No. 126,
June 29, 1990.

Data reported is based on the above regulation.

Michael K Perry 0069

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04887 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006		
Location:	SDS-1-6 0-4"	SDS-1-7 0-4"	SDS-1-8 0-4"	SDS-1-6 0-4"	SDS-1-7 0-4"	SDS-1-8 0-4"		
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90		
Time Collected:	14:30	14:20	14:10	14:30	14:20	14:10		
Date Extracted:	11/16/90	11/16/90	11/16/90					
Date Analyzed:	12/05/90	12/05,06/90	12/06/90					
PCB 1016	2000 U	2000 U	1000 U					
PCB 1221	2000 U	2000 U	1000 U					
PCB 1232	2000 U	2000 U	1000 U					
PCB 1242	2000 U	2000 U	1000 U					
PCB 1248	9200	10,300	1780					
PCB 1254	200 U	200 U	1000 U					
PCB 1260	1720	1650	2800					
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	100%	93%	93%					
Dibutylchlorendate (Acceptance Limits: 24-150%)	41%	46%	t					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

0070

FOIL205403

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04887 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-007							
Location:	Lab Blank							
Date Collected:	--							
Time Collected:	--							
Date Extracted:	11/16/90							
Date Analyzed:	12/05/90							
PCB 1016	20.0 U							
PCB 1221	20.0 U							
PCB 1232	20.0 U							
PCB 1242	20.0 U							
PCB 1248	20.0 U							
PCB 1254	20.0 U							
PCB 1260	20.0 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	101%							
Dibutylchlorendate (Acceptance Limits: 24-150%)	93%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

0071

FOIL205404

WATER ANALSIS

FOIL205405

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04880 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B287-OW	B273-OW	B277-OW	B278-OW	B279-OW	B280-OW	B281-OW	B286-OW
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90
Time Collected:	10:50	12:10	12:15	13:15	12:40	13:20	14:00	12:25
Pet. Hydrocarbons, IR	0.276 U							
Aluminum	1.47	7.48	1.85	211	8.30	24.8	4.20	8.70
Aluminum, Soluble								
Calcium, Total	426	447	177	180	44.9	172	197	355
Calcium, Soluble								
Iron, Total	1.07	15.9	52.5	299	93.1	23.7	3.18	7.73
Iron, Soluble								
Lead, Total	0.050 U	0.090	0.050 U	1.52	0.284	0.050 U	0.050 U	0.050 U
Lead, Soluble								
Potassium, Total	5.15	19.5	12.0	47.0	14.1	9.80	5.52	15.6
Potassium, Soluble								
Pet. Hydrocarbons, GC								
8080 Scan (Pest./PCB's)	**	**	**	**	**	**	**	**

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See Attached Data

0073

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04880 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B287-OW	B273-OW	B277-OW	B278-OW	B279-OW	B280-OW	B281-OW	B286-OW
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90
Time Collected:	10:50	12:10	12:15	13:15	12:40	13:20	14:00	12:25
Date Extracted:	11/14/90	11/14/90	11/14/90	11/14/90	11/14/90	11/14/90	11/14/90	11/14/90
Date Analyzed:	11/26/90	11/27/90	11/27/90	11/26/90	11/27/90	11/27/90	11/27/90	11/27/90
PCB 1016	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U
PCB 1221	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U
PCB 1232	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U
PCB 1242	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U
PCB 1248	0.50 U	0.50 U	0.50 U	24.4	0.50 U	0.50 U	0.50 U	0.50 U
PCB 1254	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U
PCB 1260	0.50 U	0.50 U	0.50 U	5.0 U	0.50 U	0.50 U	0.50 U	0.50 U
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	97%	95%	87%	113%	88%	91%	92%	87%
Dibutylchlorendate (Acceptance Limits: 24-154%)	59%	35%	30%	87%	41%	54%	44%	35%

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04880 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-009	-010	-011	-012	-013	-014	-015	-016
Location:	B290-OW	Blank	B277-OW Duplicate	B287-OW	B273-OW	B277-OW	B278-OW	B279-OW
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90
Time Collected:	10:25	10:00	12:20	10:50	12:10	12:15	13:15	12:40
Pet. Hydrocarbons, IR	4.52							
Aluminum	17.0	0.14	40.1					
Aluminum, Soluble				0.12	0.10 U	0.10 U	0.16	20.0
Calcium, Total	371	0.500 U	187					
Calcium, Soluble				464	428	93.0	6.84	35.4
Iron, Total	27.5	0.075	54.7					
Iron, Soluble				0.050 UJMt	0.165 JMt	0.050 UJMt	0.575 JMt	39.0 JMt
Lead, Total	0.839	0.050 U	0.058					
Lead, Soluble				0.050 U	0.050 U	0.050 U	0.050 U	0.117
Potassium, Total	12.4	0.250 U	13.9					
Potassium, Soluble				5.47	9.11	15.5	1.46	5.04
Pet. Hydrocarbons, GC	**							
8080 Scan (Pest./PCB's)	**	**	**					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See Attached Data

Michael K. Perry 0075

Laboratory Director

FOIL205408

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04880 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYTICAL RESULTS - ug/l

Sample:	-009	-010	-011	-012	-013	-014	-015	-016
Location:	B290-OW	Blank	B277-OW Duplicate	B287-OW	B273-OW	B277-OW	B278-OW	B279-OW
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90
Time Collected:	10:25	10:00	12:20	10:50	12:10	12:15	13:15	12:40
Petroleum Hydrocarbons, GC								
Date Extracted:	11/15/90							
Date Analyzed:	11/15/90							
Gasoline								
Kerosene								
Fuel Oil #2								
Fuel Oil #6								
as N-dodecane	20 U							
Diesel Fuel								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry 0076
Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04880 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-009	-010	-011	-012	-013	-014	-015	-016
Location:	8290-OW	Blank	8277-OW Duplicate	8287-OW	8273-OW	8277-OW	8278-OW	8279-OW
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90
Time Collected:	10:25	10:00	12:20	10:50	12:10	12:15	13:15	12:40
Date Extracted:	11/14/90	11/14/90	11/14/90					
Date Analyzed:	11/27/90	11/27/90	11/27/90					
PCB 1016	0.50 U	0.50 U	0.50 U					
PCB 1221	0.50 U	0.50 U	0.50 U					
PCB 1232	0.50 U	0.50 U	0.50 U					
PCB 1242	0.50 U	0.50 U	0.50 U					
PCB 1248	0.50 U	0.50 U	0.50 U					
PCB 1254	0.50 U	0.50 U	0.50 U					
PCB 1260	0.50 U	0.50 U	0.50 U					
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	85%	90%	47%					
Dibutylchlorendate (Acceptance Limits: 24-154%)	44%	18%++	20%++					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0077

FOIL205410

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04880 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-017	-018	-019	-020	-021	-022
Location:	B280-OW	B281-OW	B286-OW	B290-OW	Blank	B277-OW Duplicate
Date Collected:	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90
Time Collected:	13:20	14:00	12:25	10:25	10:00	12:20
Pet. Hydrocarbons, IR						
Aluminum						
Aluminum, Soluble	0.11	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Calcium, Total						
Calcium, Soluble	97.0	190	314	255	0.500 U	0.500 U
Iron, Total						
Iron, Soluble	0.050 UJMt	0.050 UJMt	0.050 UJMt	0.825 JMt	0.050 UJMt	0.151 JMt
Lead, Total						
Lead, Soluble	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Potassium, Total						
Potassium, Soluble	0.296	3.54	10.9	4.47	0.250 U	1.45
Pet. Hydrocarbons, GC						
8080 Scan (Pest./PCB's)						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry 0078

Laboratory Director

FOIL205411

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04880 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYTICAL RESULTS - ug/l

Sample:	-023							
Location:	Lab Blank							
Date Collected:	--							
Time Collected:	--							
Petroleum Hydrocarbons, GC								
Date Extracted:	11/15/90							
Date Analyzed:	11/15/90							
Gasoline								
Kerosene								
Fuel Oil #2								
Fuel Oil #6								
as N-dodecane	20 U							
Diesel Fuel								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry 0079

Laboratory Director

FOIL205412

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04880 Date: DEC. 12 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference
Syracuse Round II

Received : 11/10/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-023						
Location:	Lab Blank						
Date Collected:	--						
Time Collected:	--						
Date Extracted:	11/14/90						
Date Analyzed:	11/26/90						
PCB 1016	0.50 U						
PCB 1221	0.50 U						
PCB 1232	0.50 U						
PCB 1242	0.50 U						
PCB 1248	0.50 U						
PCB 1254	0.50 U						
PCB 1260	0.50 U						
Surrogate Standard Recovery							
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	87%						
Dibutylchlorendate (Acceptance Limits: 24-154%)	58%						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

General Testing Corporation

PAGES 81 THROUGH 86 DO NOT EXIST

General Testing Corporation

GTC REPORT # SYRACUSE ROUND II

Section C

ANALYTICAL CHRONOLOGY

Presented in this section is a Laboratory Chronology listing the dates of all preparations and analyses performed on the samples covered in this report. Holding times, (maximum times in which to analyze a sample) are derived from the referenced methodology.

Chronology Notes:

FOIL205415

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04635 Date DEC. 3 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse - Round 2

Date Received: 10/26/90

Date Sample Taken: 10/24-25/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample: Location:	-001 B201-S1A 1-3 FT.	-002 B201-S1B 1-3 FT.	-003 B202-S1 1-3 FT.	-004 B205-S1 1-3 FT.	-005 B210-S1A 1-3 FT.	-006 B210-S1B 1-3 FT.	-007 B209-S1 1-3 FT.	-008 B206-S1 1-3 FT.	-009 B219-S1 1-3 FT.
Lead, Total									
TCLP Lead	11/01/90	11/01/90	11/01/90	11/01/90	11/01/90	11/01/90	11/01/90	11/07/90	11/07/90
8080 Scan (Pest./PCB's)	11/21/90	11/21/90	11/21, 24/90	11/21/90	11/21/90	11/22/90	11/22/90	11/22/90	11/24/90

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General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04635 Date DEC. 3 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse - Round 2

Date Received: 10/26/90

Date Sample Taken: 10/24-25/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-010	-011	-012	-013	-014	-015	-016	-017	-018
Location:	B212-S1 1-3 FT.	B213-S1 1-3 FT.	B221-S1 1-3 FT.	B228-S1 0.5-1.5FT	B220-S1 1-3 FT.	B214-S1 1-3 FT.	B215-S1 1-3 FT.	B223-S1 1-3 FT.	B216-S1 1-3 FT.
Lead, Total									
TCLP Lead	11/14/90	11/08/90	11/14/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90
8080 Scan (Pest./PCB's)	11/17/90	11/22/90	11/22/90	11/22/90	11/22/90	11/17/90	11/28/90	11/22/90	11/22, 24/90

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04635 Date DEC. 3 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse - Round 2

Date Received: 10/26/90

Date Sample Taken: 10/24-25/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-019	-020	-022	-023	-024	-025	-026	-027	-028
Location:	B217-S1 1-3 FT.	B218-S1 1-3 FT.	B201-S1A 1-3 FT.	B201-S1B 1-3 FT.	B202-S1 1-3 FT.	B205-S1 1-3 FT.	B210-S1A 1-3 FT.	B210-S1B 1-3 FT.	B209-S1 1-3 FT.
Lead, Total			11/14/90	11/13/90	11/15/90	11/15/90	11/15/90	11/05/90	11/13/90
TCLP Lead	11/07/90	11/07/90							
8080 Scan (Pest./PCB's)	11/22/90	11/22/90							

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FOIL205418

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04635 Date DEC. 3 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse - Round 2

Date Received: 10/26/90

Date Sample Taken: 10/24-25/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-029	-030	-031	-032	-033	-034	-035	-036	-037
Location:	B206-S1 1-3 FT.	B219-S1 1-3 FT.	B212-S1 1-3 FT.	B213-S1 1-3 FT.	B221-S1 1-3 FT.	B228-S1 0.5-1.5FT	B220-S1 1-3 FT.	B214-S1 1-3 FT.	B215-S1 1-3 FT.
Lead, Total	11/05/90	11/05/90	11/13/90	11/05/90	11/150/9	11/14/90	11/05/90	11/05/90	11/05/90
TCLP Lead									
8080 Scan (Pest./PCB's)									

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FOIL205419

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04635 Date DEC. 3 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse - Round 2

Date Received: 10/26/90

Date Sample Taken: 10/24-25/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-038	-039	-040	-041					
Location:	B223-S1 1-3 FT.	B216-S1 1-3 FT.	B217-S1 1-3 FT.	B218-S1 1-3 FT.					
Lead, Total	11/05/90	11/05/90	11/05/90	11/05/90					
TCLP Lead									
8080 Scan (Pest./PCB's)									

0123

FOIL205420

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04635 Date DEC. 3 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse - Round 2

Date Received: 10/26/90

Date Sample Taken: 10/24-25/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-021	-042							
Location:	Blank #1	Blk #1							
Lead, Total		11/05/90							
TCLP, Lead	11/07/90								
8080 Scan (Pest./PCB's)	11/16/90								

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FOIL205421

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04643 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round 2

Date Received: 10/27/90

Date Sample Taken: 10/26/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-001	-002	-003	-004	-005	-006	-007	-008	-009
Location:	B229-S1 1-3'	B231-S1 1-3'	B233-S1 1-3'	B234-S1 1-3'	B225-S1 1-3'	B226-S1 1-3'	B241-S1 0.5-2.5'	B229-S1 1-3'	B231-S1 1-3'
Lead, Total	11/15/90	11/15/90	11/15/90	11/15/90	11/14/90	11/15/90	11/15/90		
TCLP Lead								11/01/90	11/01/90
8080 Scan (Pest./PCB's)	11/09, 24/90	11/24, 29/90	11/24/90	11/25/90	11/25/90	11/09/90	11/25/90		

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04643 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round 2

Date Received: 10/27/90

Date Sample Taken: 10/26/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-010	-011	-012	-013	-014				
Location:	B233-S1 1-3'	B234-S1 1-3'	B225-S1 1-3'	B226-S1 1-3'	B241-S1 0.5-2.5'				
Lead, Total									
TCLP Lead	11/01/90	11/01/90	11/01/90	11/01/90	11/01/90				
8080 Scan (Pest./PCB's)									

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04671 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round 2

Date Received: 10/30/90

Date Sample Taken: 10/29/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-001	-002	-003	-004	-005	-006	-007	-008	-009
Location:	B239-S1 1-3'	B239-S2 3-5'	B238-S1 1-3'	B237-S1 1-3'	B243-S1 1-3'	B243-S2 3-5'	B252-S1 0-2'	B251-S1 0-2'	B250-S1 0-2'
Lead, Total	11/13/90	11/15/90	11/13/90	11/13/90	11/14/90	11/15/90	11/15/90	11/05/90	11/05/90
TCLP Lead									
8080 Scan (Pest./PCB's)	11/18, 22/90	11/22/90	11/23/90	11/23/90	11/23/90	11/29/90	11/23/90	11/23/90	11/23, 30/90

FOIL205424

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04671 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round 2

Date Received: 10/30/90

Date Sample Taken: 10/29/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-010	-011	-013	-014	-015	-016	-017	-018	-019
Location:	8245-S1 1-3'	8253-S1 1-3'	8239-S1 1-3'	8239-S2 3-5'	8238-S1 1-3'	8237-S1 1-3'	8243-S1 1-3'	8243-S2 3-5'	8252-S1 0-2'
Lead, Total	11/05/90	11/05/90							
TCLP Lead			11/07/90	11/07/90	11/07/90	11/20/90	11/07/90	11/09/90	11/14/90
8080 Scan (Pest./PCB's)	11/23/90	11/29/90							

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04671 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round 2

Date Received: 10/30/90

Date Sample Taken: 10/29/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-020	-021	-022	-023					
Location:	B251-S1 0-2'	B250-S1 0-2'	B245-S1 1-3'	B253-S1 1-3'					
Lead, Total									
TCLP Lead	11/09/90	11/09/90	11/09/90	11/09/90					
8080 Scan (Pest./PCB's)									

FOIL205426

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04671 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round 2

Date Received: 10/30/90

Date Sample Taken: 10/29/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample: Location:	-012 Blank #2	-024 Blank #2							
Lead, Total	11/20/90								
TCLP Lead		11/01/90							
8080 Scan (Pest./PCB's)	11/18/90								

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04763 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/03/90

Date Sample Taken: 11/01-02/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample: Location:	-001 B278-S1 0-2'	-002 B278-S2 2-4'	-003 B278-S3 4-6'	-004 TP201-J1 1.5-2.5'	-006 TP201-J2 2.5-3'	-007 TP202-J1 2.5-3'	-008 B278-S1 0-2'	-009 B278-S2 2-4'	-010 B278-S3 4-6'
Lead, Total	11/13/90	11/13/90	11/13/90	11/20/90	11/13/90	11/13/90			
TCLP Lead							11/15/90	11/15/90	11/15/90
8080 Scan (Pest./PCB's)	11/25, 27/90	11/25, 27/90	11/21/90	11/25, 27/90	11/25/90	11/26, 12/03/90			

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FOIL205428

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04763 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/03/90

Date Sample Taken: 11/01-02/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-011	-013	-014						
Location:	TP201-J1 1.5-2.5	TP201-J2 2.5-3'	TP201-J1 2.5-3'						
Lead, Total									
TCLP Lead	11/15/90	11/15/90	11/15/90						
8080 Scan (Pest./PCB's)									

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FOIL205429

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04763 Date DEC. 11 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/03/90

Date Sample Taken: 11/01-02/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-005	-012							
Location:	Blank #4	Blank #4							
Lead, Total	11/13/90								
TCLP Lead		11/15/90							
8080 Scan (Pest./PCB's)	11/20/90								

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04722 Date DEC. 13 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/01/90

Date Sample Taken: 10/30-31/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-001	-002	-003	-004	-005	-006	-007	-008	-009
Location:	B265-S1 0.5-2.5'	B268-S1 0.5-2.5'	B269-S1 0.5-2.5'	B273-S1 1-3'	B274-S1 1-3'	B254-S1 1-3'	B254-S2 3-5'	B260-S1A 1-3'	B260-S1B 1-3'
Lead, Total	11/13/90	11/13/90	11/13/90	11/13/90	11/13/90	11/13/90	11/13/90	11/13/90	11/13/90
TCLP Lead									
8080 Scan (Pest./PCB's)	11/23/90, 12/04/90	12/04/90	11/23/90	12/04/90	12/04/90	12/04/90	12/04/90	12/4,5/90	11/24/90, 12/04/90

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FOIL205431

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04722 Date DEC. 13 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/01/90

Date Sample Taken: 10/30-31/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-011	-012	-013	-014	-015	-016	-017	-018	-019
Location:	B275-S1 1-3.5'	B276-S1 1-3.5'	B272-S1 1-3'	B263-S1A 1-3'	B263-S1B 1-3'	B263-S2 3-5'	B264-S1 0.5-2.5'	B266-S1 0.5-2.5'	B265-S1 0.5-2.5'
Lead, Total	11/13/90	11/13/90	11/13/90	11/28/90	11/13/90	11/13/90	11/14/90	11/13/90	
TCLP Lead									11/07/90
8080 Scan (Pest./PCB's)	11/24, 12/04/90	12/05/90	11/24/90	11/24/90	12/04/90	11/27/90	11/28/90	11/27/90	

0135

FOIL205432

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04722 Date DEC. 13 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/01/90

Date Sample Taken: 10/30-31/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-020	-021	-022	-023	-024	-025	-026	-027	-029
Location:	B268-S1 0.5-2.5'	B269-S1 0.5-2.5'	B273-S1 1-3'	B274-S1 1-3'	B254-S1 1-3'	B245-S2 3-5'	B260-S1A 1-3'	B260-S1B 1-3'	B275-S1 1-3.5'
Lead, Total									
TCLP Lead	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90	11/07/90
8080 Scan (Pest./PCB's)									

0136

FOIL205433

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04722 Date DEC. 13 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/01/90

Date Sample Taken: 10/30-31/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-030	-031	-032	-033	-034	-035	-036		
Location:	B276-S1 1-3.5'	B272-S1 1-3'	B263-S1A 1-3'	B263-S1B 1-3'	B263-S2 3-5'	B264-S1 0.5-2.5'	B266-S1 0.5-2.5'		
Lead, Total									
TCLP Lead	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90	11/09/90		
8080 Scan (Pest./PCB's)									

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General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04722 Date DEC. 13 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/01/90

Date Sample Taken: 10/30-31/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-010	-028							
Location:	Blank #3	Blank #3							
Lead, Total	11/13/90								
TCLP Lead		11/07/90							
8080 Scan (Pest./PCB's)	11/23/90								

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General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04776 Date DEC. 10 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse - Round II

Date Received: 11/06/90

Date Sample Taken: 11/05/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-001	-002	-003	-004	-005	-006	-007	-008	
Location:	B282-S1 0-2'	B283-S1 0-2'	B284-S1 0-2'	B285-S1 0-4'	B282-S1 0-2'	B283-S1 0-2'	B284-S1 0-2'	B285-S1 0-4'	
Lead, Total	11/14/90	11/14/90	11/14/90	11/14/90					
TCLP Lead					11/15/90	11/15/90	11/15/90	11/15/90	
8080 Scan (Pest./PCB's)	11/25, 27/90	11/25, 27/90	11/25, 27/90	11/25/90					

0139

FOIL205436

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04887 Date DEC. 12 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/10/90

Date Sample Taken: 11/09/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-001	-002	-003	-004	-005	-006			
Location:	SDS-1-6 0-4"	SDS-1-7 0-4"	SDS-1-8 0-4"	SDS-1-6 0-4"	SDS-1-7 0-4"	SDS-1-8 0-4"			
Lead, Total	11/20/90	11/20/90	11/20/90						
TCLP Lead				11/20/90	11/20/90	11/20/90			
8080 Scan (Pest./PCB's)	12/05/90	12/5,6/90	12/06/90						

0140

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04880 Date DEC. 12 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/10/90

Date Sample Taken: 11/09/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample: Location:	-001 B287-OW	-002 B273-OW	-003 B277-OW	-004 B278-OW	-005 B279-OW	-006 B280-OW	-007 B281-OW	-008 B286-OW	-009 B290-OW
Pet. Hydrocarbons, IR	11/14/90								11/14/90
Aluminum	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90
Aluminum, Soluble									
Calcium, Total	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90
Calcium, Soluble									
Iron, Total	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90
Iron, Soluble									
Lead, Total	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90
Lead, Soluble									
Potassium, Total	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90
Potassium, Soluble									
Pet. Hydrocarbons, GC									11/15/90

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General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04880 Date DEC. 12 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/10/90

Date Sample Taken: 11/09/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-001	-002	-003	-004	-005	-006	-007	-008	-009
Location:	B287-OW	B273-OW	B277-OW	B278-OW	B279-OW	B280-OW	B281-OW	B286-OW	B290-OW
8080 Scan (Pest./PCB's)	11/26/90	11/27/90	11/27/90	11/26/90	11/27/90	11/27/90	11/27/90	11/27/90	11/27/90

0142

FOIL205439

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04880 Date DEC. 12 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/10/90

Date Sample Taken: 11/09/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample: Location:	-010 Blank	-011 B277-OW Duplicate	-012 B287-OW	-013 B273-OW	-014 B277-OW	-015 B278-OW	-016 B279-OW	-017 B280-OW	-018 B281-OW
Pet. Hydrocarbons, IR									
Aluminum	11/16/90	11/16/90							
Aluminum, Soluble			11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90
Calcium, Total	11/16/90	11/16/90							
Calcium, Soluble			11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90	11/16/90
Iron, Total	11/15/90	11/15/90							
Iron, Soluble			11/29/90	11/29/90	11/29/90	11/29/90	11/29/90	11/29/90	11/29/90
Lead, Total	11/15/90	11/15/90							
Lead, Soluble			11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90
Potassium, Total	11/15/90	11/15/90							
Potassium, Soluble			11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90	11/15/90
Pet. Hydrocarbons, GC									

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04880 Date DEC. 12 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/10/90

Date Sample Taken: 11/09/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-010	-011	-012	-013	-014	-015	-016	-017	-018
Location:	Blank	B277-OW Duplicate	B287-OW	B273-OW	B277-OW	B278-OW	B279-OW	B280-OW	B281-OW
8080 Scan (Pest./PCB's)	11/27/90	11/27/90							

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FOIL205441

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04880 Date DEC. 12 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/10/90

Date Sample Taken: 11/09/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-019	-020	-021	-022					
Location:	B286-OW	B290-OW	Blank	B277-OW Duplicate					
Pet. Hydrocarbons, IR									
Aluminum									
Aluminum, Soluble	11/16/90	11/16/90	11/16/90	11/16/90					
Calcium, Total									
Calcium, Soluble	11/16/90	11/16/90	11/16/90	11/16/90					
Iron, Total									
Iron, Soluble	11/29/90	11/29/90	11/29/90	11/29/90					
Lead, Total									
Lead, Soluble	11/15/90	11/15/90	11/15/90	11/15/90					
Potassium, Total									
Potassium, Soluble	11/15/90	11/15/90	11/15/90	11/15/90					
Pet. Hydrocarbons, GC									

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04880 Date DEC. 12 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse Round II

Date Received: 11/10/90

Date Sample Taken: 11/09/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-019	-020	-021	-022					
Location:	B286-OW	B290-OW	Blank	B277-OW Duplicate					
8080 Scan (Pest./PCB's)									

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FOIL205443

General Testing Corporation

PAGE 147 AND 148 DO NOT EXIST

General Testing Corporation

GTC REPORT # SYRACUSE ROUND II

SECTION B

LABORATORY QUALITY CONTROL

Presented in this section is Quality Control Associated with the data provided in Section A of this report.

Quality Control Explanations:

(1) RUN QUALITY CONTROL - Selected QC data from the analytical run in which your sample(s) were involved.

(2) JOB SPECIFIC QUALITY CONTROL - QC data specific to your set of samples.

(3) DUPLICATES - Replicate analyses of a given sample used to monitor precision. Relative Percent Difference is calculated as the difference divided by the average x 100.

(4) MATRIX SPIKES - Addition of a known amount of analyte to a sample. Recovery is calculated by subtracting original value attributable to the sample from the combined value. The difference is then divided by the amount added to calculate % recovery. Poor recoveries may indicate analytical interference due to the matrix of the sample. Any other samples of this matrix may also have been affected, high or low as indicated by the % recovery.

(5) LABORATORY CONTAMINANTS - Laboratory De-ionized water used to monitor for contamination during analysis.

(6) BLANK SPIKES - Same as item #4 but analyte is added to laboratory de-ionized water. This indicates the accuracy of analysis.

(7) REFERNCE CHECK SAMPLES - Samples from an outside source having a known concentration of analyte. Used as a measure of analytical accuracy.

When possible, all components of the above listed QC protocol are performed during an analytical run. The resulting data is compared to historical records when evaluating the quality of analytical runs. The data provided in your report has passed our Quality Assurance review.

Quality Control Notes:

FOIL205445

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/04635 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PNVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
TCLP Lead	-010	0.50U	0.50U	NC	30	0.50 U	0.500	96%	60-140	0.050 U	0.250	111%	70-130	REF STD	2.00	102%	80-120

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0085

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/04635 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PNVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
TCLP Lead	-016	NA				7.88	5.00	106%	60-140	0.050 U	0.250	82%	70-130	REF STD	2.00	100%	80-120
TCLP Lead	001	0.50U	0.50U	NC	30												

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0089

FOIL205447

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/04635 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Lead, Total	-022	105	131	22.0%	20	105	24.0	V	60-140	0.050 U	0.250	111%	70-130	REF STD	2.00	102%	80-120

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0090

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/04635 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Lead, Total	-037	6220	6000	3.6%	30	6220	0.250	V	50-150	0.050 U	0.250	88%	70-130	REF STD	2.00	100%	80-120

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-043						
Location:	Lab Blank						
Date Collected:	--						
Time Collected:	--						
Date Extracted:	10/29/90						
Date Analyzed:	11/16/90						
PCB 1016	0.50 U						
PCB 1221	0.50 U						
PCB 1232	0.50 U						
PCB 1242	0.50 U						
PCB 1248	0.50 U						
PCB 1254	0.50 U						
PCB 1260	0.50 U						
Surrogate Standard Recovery							
Tetrachloro-meta-xylene	87%						
(Acceptance Limits: 27-119%)							
Dibutylchlorendate	90%						
(Acceptance Limits: 24-154%)							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

0092

FOIL205450

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04635 Date: DEC. 3 1990

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse - Round 2

Received : 10/26/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-044							
Location:	Lab Blank							
Date Collected:	--							
Time Collected:	--							
Date Extracted:	10/30/90							
Date Analyzed:	11/16/90							
PCB 1016	20.0 U							
PCB 1221	20.0 U							
PCB 1232	20.0 U							
PCB 1242	20.0 U							
PCB 1248	20.0 U							
PCB 1254	20.0 U							
PCB 1260	20.0 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene	89%							
(Acceptance Limits: 31-141%)								
Dibutylchlorendate	60%							
(Acceptance Limits: 24-150%)								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0093

FOIL205451

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No. : R90/04635 -001

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1242	267	2000 U	2000 U	V	39-150
PCB 1248	--	16,400	15,500	--	38-158

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1242	267	2000 U	V	NC	30	39-150
PCB 1248	--	19,000	--	20%	30	38-158

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS: _____

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: -

Lab Code: - Case No.: - SAS No.: - SDG No.: -

Matrix Spike - EPA Sample No. : R90/04635 -011

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1242	534	200 U	430	80%	39-150
PCB 1254	--	146	227	--	29-131

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1242	534	433	81%	0.7%	30	39-150
PCB 1254	--	363	--	46%++	30	29-131

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 1 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: -

Lab Code: - Case No.: - SAS No.: - SDG No.: -

Matrix Spike - EPA Sample No. : R90/04635 -016

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1242	267	550	707	59%	39-150
PCB 1254	--	760	813	--	29-131

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1242	267	683	50%	3.4%	30	39-150
PCB 1254	--	553	--	38%++	30	29-131

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 1 out of 2 outside limits
Spike Recovery: 0 out of 4 outside limits

COMMENTS:

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Client:
E. Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Job No: R90/04635

Date: 3 DEC., 1990

EPA METHOD 8080	REFERENCE CHECK TRUE VALUE	REFERENCE CHECK % RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 10/30/90			
Date Analyzed: 11/16/90			
PCB 1221			15 - 178
PCB 1232			10 - 215
PCB 1016			50 - 114
PCB 1242	133	88%	39 - 150
PCB 1248			38 - 158
PCB 1254			29 - 131
PCB 1260			8 - 127
SURROGATE STANDARD RECOVERY:			
Tetrachloro-meta-xylene	33.3	95%	31 - 141
Dibutylchlorendate	33.3	59%	24 - 150

Michael K. Perry

Laboratory Director

0097

FOIL205455

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/04671 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Lead, Total	-006	56,500	65,400	14.6%	30	56,500	90.9	V	50-150	0.050 U	0.250	100%	70-130	REF STD	2.00	95%	80-120

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0098

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : B90/04671 UNITS: mg/L REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PNVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
TCLP Lead	-018	NA				13.8	5.00	44%	*+	0.050 U	5.00	101%	70-130	REF STD	2.00	98%	80-120

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0099

FOIL205457

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-025							
Location:	Lab Blank							
Date Collected:	--							
Time Collected:	--							
Date Extracted:	11/01/90							
Date Analyzed:	11/18/90							
PCB 1016	0.50 U							
PCB 1221	0.50 U							
PCB 1232	0.50 U							
PCB 1242	0.50 U							
PCB 1248	0.50 U							
PCB 1254	0.50 U							
PCB 1260	0.50 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	85%							
Dibutylchlorendate (Acceptance Limits: 24-154%)	125%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

01-0

FOIL205458

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04671 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round 2

Received : 10/30/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-026							
Location:	Lab Blank							
Date Collected:	--							
Time Collected:	--							
Date Extracted:	11/05/90							
Date Analyzed:	11/18/90							
PCB 1016	20.0 U							
PCB 1221	20.0 U							
PCB 1232	20.0 U							
PCB 1242	20.0 U							
PCB 1248	20.0 U							
PCB 1254	20.0 U							
PCB 1260	20.0 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	105%							
Dibutylchlorendate (Acceptance Limits: 24-150%)	84%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry
Laboratory Director

0101

FOIL205459

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No. : R90/04671 -006

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1242	1670	2000 U	2000 U	D	39-150
PCB 1248		4970	4870		38-158

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1242	1670	2000 U	D	NC	30	39-1[illegible]
PCB 1248		4730		2.9	30	38-1[illegible]

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Job No: R90/04671

Date: 11 DEC., 1990

EPA METHOD 8080	REFERENCE CHECK TRUE VALUE	REFERENCE CHECK % RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 11/05/90			
Date Analyzed: 11/18/90			
PCB 1221			15 - 178
PCB 1232			10 - 215
PCB 1016			50 - 114
PCB 1242	66.7	135%	39 - 150
PCB 1248			38 - 158
PCB 1254			29 - 131
PCB 1260			8 - 127
SURROGATE STANDARD RECOVERY:			
Tetrachloro-meta-xylene	33.3	89%	31 - 141
Dibutylchlorendate	33.3	72%	24 - 150

Michael K. Perry

Laboratory Director

0103

FOIL205461

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/04763 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Lead, Total	-004	563	561	0.4%	30	563	17.2	V	50-150	0.050 U	0.250	100%	70-130	REF STD	2.00	100%	80-120

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0104

FC 462

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/04763 UNITS: mg/l REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PNVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
TCLP Lead	-011	NA				4.35	5.00	86%	60-140	0.050 U	0.250	130%	70-130	REF STD	2.00	102%	80-120

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0105

FOIL205463

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04763 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/03/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-015						
Location:	Lab Blank						
Date Collected:	--						
Time Collected:	--						
Date Extracted:	11/07/90						
Date Analyzed:	11/20/90						
PCB 1016	0.50 U						
PCB 1221	0.50 U						
PCB 1232	0.50 U						
PCB 1242	0.50 U						
PCB 1248	0.50 U						
PCB 1254	0.50 U						
PCB 1260	0.50 U						
Surrogate Standard Recovery							
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	74%						
Dibutylchlorendate (Acceptance Limits: 24-154%)	96%						

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

0106

FOIL205464

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04763 Date: DEC. 11 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/03/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-016							
Location:	Lab Blank							
Date Collected:	--							
Time Collected:	--							
Date Extracted:	11/09/90							
Date Analyzed:	11/20/90							
PCB 1016	20.0 U							
PCB 1221	20.0 U							
PCB 1232	20.0 U							
PCB 1242	20.0 U							
PCB 1248	20.0 U							
PCB 1254	20.0 U							
PCB 1260	20.0 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	93%							
Dibutylchlorendate (Acceptance Limits: 24-150%)	64%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Laboratory Director

0107

FOIL205465

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No. : R90/04763 -004

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1242	1670	4000 U	4000 U	D	39-150
PCB 1248		29400	20400		38-158

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1242	1670	4000 U	D	NC	30	39-150
PCB 1248		23600		14	30	38-158

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Job No: R90/04763

Date: 11 DEC., 1990

EPA METHOD 8080	REFERENCE CHECK TRUE VALUE	REFERENCE CHECK % RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 11/09/90			
Date Analyzed: 11/20/90			
PCB 1221			15 - 178
PCB 1232			10 - 215
PCB 1016			50 - 114
PCB 1242	66.7	66%	39 - 150
PCB 1248			38 - 158
PCB 1254			29 - 131
PCB 1260			8 - 127
SURROGATE STANDARD RECOVERY:			
Tetrachloro-meta-xylene	33.3	33%	31 - 141
Dibutylchlorendate	33.3	46%	24 - 150

Michael K. Perry

Laboratory Director

0109

FOIL205467

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/04722 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
//////////		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Lead, Total	-001	5.0 U	5.0 U	NC	30	5.0 U	17.9	96%	50-150	0.050 U	0.250	82%	70-130	REF STD	2.00	98%	80-120

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0110

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/04722 UNITS: ug/g Wet Wt. REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
//////////////////		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
Lead, Total	-014	17.7	28.4	46.4%	20	17.7	25.0	106%	80-120	0.050 U	0.250	102%	80-120	REF STD	5.00	100%	90-110

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0111

FOIL205469

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: H & A of New York JOB # : R90/04722 UNITS: mg/l REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PMVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
TCLP Lead	-032	NA				0.50 U	5.00	85%	60-140	0.050 U	5.00	101%	70-130	REF STD	2.00	98%	80-120

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0112

GTC LABORATORY QUALITY CONTROL REPORT

CUSTOMER: N & A of New York JOB # : R90/04722 UNITS: mg/l REPORT TYPE: Job Specific

PARAMETER	SAMPLE	ORIGINAL RESULT	DUPLICATE RESULT	% REL. ERROR	ACCEPT. LIMIT %	AVERAGE RESULT	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMIT %	METHOD BLANK	SPIKE ADDED	PERCENT RECOVERY	ACCEPT. LIMITS %	REFERENCE #	KNOWN PHVAL	PERCENT RECOVERY	ACCEPT. LIMITS %
		* PRECISION				* MATRIX SPIKING				BLANK SPIKES				REFERENCE STANDARD			
TCLP Lead	-035	NA				189	5.00	V	60-140	0.050 U	5.00	101%	70-130	REF STD	2.00	98%	80-120

* Analytical results previous to accounting for dilutions. ** Reference Check samples are not available for all analyses. ++ Outside of Quality Control Limits.

0113

FOIL205471

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-037							
Location:	Lab Blank							
Date Collected:	--							
Time Collected:	--							
Date Extracted:	11/06/90							
Date Analyzed:	11/23/90							
PCB 1016	0.50 U							
PCB 1221	0.50 U							
PCB 1232	0.50 U							
PCB 1242	0.50 U							
PCB 1248	0.50 U							
PCB 1254	0.50 U							
PCB 1260	0.50 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 27-119%)	92%							
Dibutylchlorendate (Acceptance Limits: 24-154%)	124%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

0114

FOIL205472

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04722 Date: DEC. 13 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Round II

Received : 11/01/90 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/kg Wet Wt.

Sample:	-038							
Location:	Lab Blank							
Date Collected:	--							
Time Collected:	--							
Date Extracted:	11/07/90							
Date Analyzed:	11/23/90							
PCB 1016	20.0 U							
PCB 1221	20.0 U							
PCB 1232	20.0 U							
PCB 1242	20.0 U							
PCB 1248	20.0 U							
PCB 1254	20.0 U							
PCB 1260	20.0 U							
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	108%							
Dibutylchlorendate (Acceptance Limits: 24-150%)	93%							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

0115

FOIL205473

General Testing Corporation

A Full Service Environmental Laboratory

3A - PCB's MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: General Testing Corp. Contract: _____

Lab Code: _____ Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - EPA Sample No. : R90/04722 -017

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENT. (ug/kg)	MS % REC #	QC LIMITS REC.
PCB 1242	1670	200 U	1800	108%	39-150

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
PCB 1242	1670	2010	120%	11%	30	39-150

Columns to be used to flag recovery and RPD values with an asterik

* Values outside of QC limits

RPD: 0 out of 1 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS: _____

FORM III VOA-1
NYSDEC B-85

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Job No: R90/04722

Date: 13 DEC., 1990

EPA METHOD 8080	REFERENCE CHECK TRUE VALUE	REFERENCE CHECK % RECOVERY	ACCEPTANCE LIMITS (%)
Date Extracted: 11/07/90			
Date Analyzed: 11/23/90			
PCB 1221			15 - 178
PCB 1232			10 - 215
PCB 1016			50 - 114
PCB 1242	133	96%	39 - 150
PCB 1248			38 - 158
PCB 1254			29 - 131
PCB 1260			8 - 127
SURROGATE STANDARD RECOVERY:			
Tetrachloro-meta-xylene	33.3	105%	31 - 141
Dibutylchlorendate	33.3	59%	24 - 150

Michael K. Perry

Laboratory Director

0117

FOIL205475

General Testing Corporation

GTC REPORT # SYRACUSE ROUND II

SECTION D

DOCUMENTATION

Presented in this section is all support documentation requested.

Documentation Provided:

(X) Chain of Custody Forms

( ) Analytical Request Forms

( ) Shipping Receipts

( ) Laboratory Receipt Log

( ) Other:

FOIL205476

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4635
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: WL

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: WL — Seal/Shipping #:

Sample(s) Relinquished by:		Received by:		Date/Time
1. Sign	Walter Lanik	1. Sign	Tom Hastings	10/25/90
for	HAA of NY	for	GTC	18:30
2. Sign		2. Sign		/ /
for		for		:
3. Sign		3. Sign		/ /
for		for		:

Sample(s) Received in Laboratory by: [signature] 10/25/90 @ 09:00

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
QC	B201-S1A / 1922 R90/4635	1-3 ft / 10/24/90 11:30	S	Total Pb, TCLP Pb, 8080 PCBs, TOC → Hold	✓				6
2	B201-S1B / 2923 R90/4635	~~10~~ 1-3 ft / 10/24/90 11:30	S	"	✓				4
3	B202-S1 / 3924 R90/4635	1-3 ft / 10/24/90 12:00	S	"	✓				4
4	B205-S1 / 4925 R90/4635	1-3 ft. / 10/24/90 14:00	S	"	✓				4
5	B210-S1A / 5926 R90/4635	1-3 ft / 10/24/90 14:45	S	"	✓				4

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. ~~Plastic~~ Glass	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each											

Additional Analytes: Hold TOC analysis till notified by HAA

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page. 0150

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y).

FOIL205477

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4635
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lewis (Print) — Walter Lewis (Signature)

Bottles Prepared by: GTC — Rec'd by: WL

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: WL — Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Walter Lewis	1. Sign Tom Hastings	10/25/90
for H&A of NY	for GTC	18:30
2. Sign	2. Sign	/ /
for	for	:
3. Sign	3. Sign	/ /
for	for	:

Sample(s) Received in Laboratory by [signature] 10/26/90 @ [illegible]

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B210-S1B / 6+27 R90/4635	1-3 ft / 10/24/90 14:45	S	Total Pb & TCLP Pb / 8080 PCBs TOC -> Hold	✓				4
2	B209-S1 / 7+28 R90/4635	1-3 ft / 10/24/90 15:30	S	"	✓				4
3	B206-S / 8+29 R90/4635	1-3 ft / 10/24/90 17:00	S	"	✓				4
4	B219-S1 / 9+30 R90/4635	1-3 ft / 10/25/90 8:00	S	"	✓				4
5	B212-S1 / 10+31 R90/4635	1-3 ft / 10/25/90 9:00	S	"	✓				6

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. ~~Plastic~~ Glass	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4		4					

Additional Analytes: Hold TOC analysis till notified by H&A

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

0151

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y).

FOIL205478

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 · 85 Trinity Place, Hackensack, NJ 07601 · 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4635
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site: Syracuse site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: WL

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: WL — Seal/Shipping #:

Sample(s) Relinquished by:		Received by:		Date/Time
1. Sign	Walter Lanik	1. Sign	Tom Hastings	10/25/90
for	H&A of NY	for	GTC	18:30
2. Sign		2. Sign		/ /
for		for		:
3. Sign		3. Sign		/ /
for		for		:

Sample(s) Received in Laboratory by: [illegible] — 10/26/90 @ [illegible]

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B213-51 / 11:32 R90/4635	1-3 ft. / 10/25/90 9:45	S	Total Pb, TCLP Pb, 8080 PCBs, TOC → Hold	✓				4
2	B221-51 / 12:33 R90/4635	1-3 ft / 10/25/90 10:15	S	"	✓				4
3	B228-51 / 13:34 R90/4635	0.5-1.5 ft / 10/25/90 10:45	S	"	✓				4
4	B220-51 / 14:35 R90/4635	1-3 ft / 10/25/90 11:30	S	"	✓				4
5	B214-51 / 15:36 R90/4635	1-3 ft / 10/25/90 12:00	S	"	✓				4

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4							

Additional Analytes: Hold TOC analysis till notified by H&A

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page. 0152

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y)

FOIL205479

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4635
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site: SYRACUSE SITE

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC
Bottles Shipped to Client via: GTC
Samples Shipped via: WL

Rec'd by: WL
Seal/Shipping #:
Seal/Shipping #:

Sample(s) Relinquished by:		Received by:		Date/Time
1. Sign	Walter Lanik	1. Sign	Tom Hastings	10/25/90
for	H&A of NY	for	GTC	18:30
2. Sign		2. Sign		/ /
for		for		:
3. Sign		3. Sign		/ /
for		for		:

Sample(s) Received in Laboratory by: [signature] 10/26/90 @ 09:00

	Client I.D.# / Lab#	Sample Location / Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B215-S1 / 16:37 R90/4635	1-3 ft. / 10/25/90 15:30	S	Total Pb TCLP Pb 8080 PCBs TOC → Hold	✓				6
2	B223-S1 / 17:38 R90/4635	1-3 ft. / 10/25/90 14:00	S	"	✓				4
3	B216-S1 / 18:39 R90/4635	1-3 ft. / 10/25/90 15:00	S	"	✓				4
4	B217-S1 / 19:40 R90/4635	1-3 ft. / 10/25/90 15:30	S	"	✓				4
5	B218-S1 / 20:41 R90/4635	1-3 ft. / 10/25/90 16:00	S	"	✓				4

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. ~~Plastic~~ Glass	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4		4					

Additional Analytes: Hold TOC analysis till notified by H&A

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

0153

* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y).

FOIL205480

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4635
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: WL

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: WL — Seal/Shipping #:

Sample(s) Relinquished by:		Received by:		Date/Time
1. Sign	Walter Lanik	1. Sign	Tom Hastings	10/25/90
for	HAA of NY	for	GTC	18:30
2. Sign		2. Sign		/ /
for		for		:
3. Sign		3. Sign		/ /
for		for		:

Sample(s) Received in Laboratory by: [signature] 10/26/90 @ 08:00

	Client I.D.# / Lab#	Sample Location / Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	N	Filtered Y	N	Bottle Set(s) (see below)
1	BIK #1 / 21-42 R90/4635	10/24/90 :	R	Total Pb / TCLP Pb / 8080 PCb					5, 10
2		/ / :							
3		/ / :							
4		/ / :							
5		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.	Liter Amber	
# of each					1					4	

Additional Analytes:

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page. 0154

* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), Rinsate (X), (Y)

FOIL205481

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4643
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: WL

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: WL — Seal/Shipping #:

Sample(s) Relinquished by:		Received by:		Date/Time
1. Sign	Walter Lanik	1. Sign	Tom Hastings	10/27/90
for	H&A of NY	for	GTC	11:45
2. Sign		2. Sign		/ /
for		for		:
3. Sign		3. Sign		/ /
for		for		:

Sample(s) Received in Laboratory by: Tom Hastings 10/27/90 @ 11:45

	Client I.D.# / Lab#	Sample Location / Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B229-S1 / R90/4643-001 R90/4643-1	1-3' / 10/26/90 8:30	S	Total Pb, TCLP Pb, 8080 PCBs, TOC → Hold	✓				4
2	B231-S1 / R90/4643-009 R90/4643-2	1-3' / 10/26/90 9:15	S	"	✓				4
3	B233-S1 / R90/4643-010 R90/4643-3	1-3' / 10/26/90 11:15	S	"	✓				4
4	B234-S1 / R90/4643-011 R90/4643-4	1-3' / 10/26/90 13:00	S	"	✓				4
5	B225-S1 / R90/4643-012 R90/4643-5	1-3' / 10/26/90 13:30	S	"	✓				4

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4							

Additional Analytes: Renumbered 008-014 for TCLP-Pb
Hold TOC analysis until notified by H&A

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y)

0155

FOIL205482

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4643
Client Project No. 70185-4.0

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: WL

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: WL — Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Walter Lanik	1. Sign Tom Hastings	10/27/90
for H & A of NY	for GTC	11:45
2. Sign	2. Sign	/ /
for	for	:
3. Sign	3. Sign	/ /
for	for	:

Sample(s) Received in Laboratory by: Tom Hastings 10/27/90 @ 11:45

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B226-S1	1-3'	S	Total Pb	✓				4
	R90/4643-013	10/26/90 14:00		TCLP Pb					
	R90/4643-6			8080 PCBs					
				TOC → Hold					
2	B241-S1	0.5-2.5'	S	"	✓				4
	R90/4643-014	10/26/90 14:30							
	R90/4643-7								
3		/ / :							
4		/ / :							
5		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4							

Additional Analytes: Hold TOC analysis until notified by H&A

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), (X), (Y).

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4671
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: WL

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: WL / H&A — Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Walter Lanik	1. Sign [illegible]	10/30/90
for H&A of NY	for	05:30
2. Sign Margaret J. Corrigan 8:50	2. Sign Elizabeth Henderson	10/30/90
for H&A	for H&A of New York	08:00
3. Sign Elizabeth Henderson	3. Sign Margaret J. Corrigan	10/30/90
for H&A of New York	for H&A of New York	8:45

Sample(s) Received in Laboratory by [signature] 10/30/90 @ 08:45

	Client I.D.# / Lab#	Sample Location / Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B239-S1 #1 & 13 R90/4671	1-3' 10/29/90 8:15	S	Total Pb, TCLP Pb, 8050 PCBs, TOC → Hold	✓				4
2	B239-S2 #2 & 14 R90/4671	3-5' 10/29/90 8:20	S	"	✓				4
3	B238-S1 #3 & 15 R90/4671	1-3' 10/29/90 8:45	S	"	✓				4
4	B237-S1 #4 & 16 R90/4671	1-3' 10/29/90 9:15	S	"	✓				4
5	B243-S1 #5 & 17 R90/4671	1-3' 10/29/90 10:30	S	"	✓				4

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4							

Additional Analytes: Hold TOC analysis until notified by H&A

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

0157

* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y).

FOIL205484

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4671
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC
Bottles Shipped to Client via: GTC
Samples Shipped via: WL / H&A

Rec'd by: WL
Seal/Shipping #:
Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Walter Lanik for H&A of NY	1. Sign [illegible] for	10/30/90 05:30
2. Sign Margaret J. Grogan for H&A	2. Sign Elizabeth Henderson for H&A of New York	10/30/90 08:00
3. Sign Elizabeth Henderson for H&A of New York	3. Sign Margaret J. Grogan for H&A of N.Y.	10/30/90 8:45

Sample(s) Received in Laboratory by: [illegible] 10/30/90 @ 08:45

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B243-S2	3-5'	S	Total Pb TCLP Pb	✓				6
	#6-19 R90/4671	10/29/90 10:35		TOC -> Hold 8080 PCBs					
2	B252-S1	0-2'	S	"	✓				4
	#7-19 R90/4671	10/29/90 13:45							
3	B251-S1	0-2'	S	"	✓				4
	#8-20 R90/4671	10/29/90 14:15							
4	B250-S1	0-2'	S	"	✓				4
	#9-20 R90/4671	10/29/90 14:45							
5	B245-S1	1-3'	S	"	✓				4
	#10-22 R90/4671	10/29/90 15:30							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. ~~Plastic~~ Glass	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4		4					

Additional Analytes: Hold TOC analysis until notified by H&A

015E

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y).

FOIL205485

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4671
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: WL

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: WL/H&A — Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Walter Lanik	1. Sign [illegible] 8:500	10/30/90
for H&A of NY	for	05:30
2. Sign [illegible]	2. Sign Elizabeth Henderson	10/30/90
for H&A	for H&A of New York	08:00
3. Sign Elizabeth Henderson	3. Sign [illegible]	10/30/90
for H&A of NY	for H&A of N.Y.	8:45

Sample(s) Received in Laboratory by [illegible] 10/30/90 @ 08:45

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B253-S1	1-3'	S	Total Pb	✓				4
	#11,223 R90/4671	10/29/90 16:30		TCLP Pb					
				8080 PCBs					
				TOC → Hold					
2	Blk #2		X	Total Pb	✓			✓	5, 10
	#12,224 R90/4671	10/29/90 1300		TCLP Pb					
				8080 PCBs					
3		/ / :							
4		/ / :							
5		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.	1 liter amber	
# of each				4	1					4	

Additional Analytes

Hold TOC analysis until notified by H&A

0159

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), Rinsate (X), (Y)

FOIL205486

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4763
Client Project No. 72185-40

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Print / Signature

Bottles Prepared by: GTC
Bottles Shipped to Client via: GTC
Samples Shipped via: H&A

Rec'd by: H&A
Seal/Shipping #:
Seal/Shipping #:

Sample(s) Relinquished by:		Received by:		Date/Time
1. Sign	[signature]	1. Sign	[signature]	11/2/90
for	H&A of NY	for	GTC	18:45
2. Sign		2. Sign		/ /
for		for		:
3. Sign		3. Sign		/ /
for		for		11/3/90: @ 0800

Sample(s) Received in Laboratory by: [signature] ~~11/2 90 @ 18:45~~

	Client I.D.# / Lab#	Sample Location / Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B278-S1	0-2'	S	Total Pb TCLP Pb	✓				4
	R90/4763-001/008	11/1/90 15:20		8080 PCBs TOC → Hold					
2	B278-S2	2-4'	S	"	✓				4
	R90/4763-002/009	11/1/90 15:30							
3	B278-S3	4-6'	S	"	✓				4
	R90/4763-003/010	11/1/90 15:45							
4	TP201-S1	1.5-2.5'	S	"	✓				6
	R90/4763-004/011	11/2/90 15:30							
5	Blk #4		X	Total Pb TCLP Pb	✓			✓	5, 10
	R90/4763-005/012	11/2/90 14:30		8080 PCBs					

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ glass	8 oz. Plastic	16 oz. ~~Plastic~~ glass	Qt. Pl.	Gal. Pl.	Steril. Pl.	liter amber	
# of each				4	1	4				3	

Additional Analytes: Hold TOC analysis until notified by H&A

0160

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), Rinsate (X), _____ (Y).

FOIL205487

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street
Rochester, NY 14608

85 Trinity Place
Hackensack, NJ 07601

435 Lawrence Bell Drive
Amherst, NY 14221-7077

GTC Job No. 690/4763
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site SYRACUSE SITE

Address _____
Street City State Zip

Collector _____
Print Signature

Bottles Prepared by GTC
Bottles Shipped to Client via GTC
Samples Shipped via H&A

Rec'd by H&A
Seal/Shipping # _____
Seal/Shipping # _____

Sample(s) Relinquished by:		Received by:		Date/Time
1. Sign	[illegible]	1. Sign	[illegible]	11/2/90
for	H&A of NY	for	GTC	18:45
2. Sign		2. Sign		/ /
for		for		:
3. Sign		3. Sign		/ /
for		for		

Sample(s) Received in Laboratory by [illegible] 11/3/90 @ 0800 [illegible] 11/2/90 @ 18:45

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	TP201-32	2.5-3.0'	S	Total Pb TCLP Pb	✓				4
	690/4763-08/013	11/2/90 15:40		8080 PCBs TOC → Hold					
2	TP202-31	2.5-3.0'	S	"	✓				4
	690/4763-007/014	11/2/90 16:10							
3									
		/ / :							
4									
		/ / :							
5									
		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4							

Additional Analytes _____

Hold TOC analysis until notified by H&A

0161

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____(X), _____(Y).

FOIL205488

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. B90/4722
Client Project No. 70185-42

Sample Origination & Shipping Information

Collection Site: Syracuse site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: H&A

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: H&A — Seal/Shipping #:

Sample(s) Relinquished by:		Received by:		Date/Time
1. Sign	Walter Lanik	1. Sign	Elizabeth Henderson	11/1/90
for	H&A of NY	for	H&A of NY	05:30
2. Sign	Elizabeth Henderson	2. Sign	Margaret J. Cougi	11/1/90
for	H&A of NY	for	H&A of NY	8:30
3. Sign	Margaret J. Cougi	3. Sign	Marjorie Rittner	11/1/90
for	H&A	for		6:40 PM

Sample(s) Received in Laboratory by: [illegible] 11/1/90 @ 08:40

	Client I.D.# / Lab#	Sample Location / Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B265-S1 / #1-19	0.5-2.5' / 10/30/90 15:40	S	Total Pb, TCLP Pb, 8080 PCBs, TOC -> Hold	✓				4
2	B268-S1 / #2-20	0.5-2.5' / 10/30/90 16:00	S	"	✓				4
3	B269-S1 / #3-21	0.5-2.5' / 10/30/90 16:20	S	"	✓				4
4	B273-S1 / #4-22	1-3' / 10/31/90 9:45	S	"	✓				4
5	B274-S1 / #5-23	1-3' / 10/31/90 14:30	S	"	✓				4

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ glass	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4							

Additional Analytes: Hold TOC analysis until notified by H&A

0162

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y).

FOIL205489

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. 690/4722
Client Project No. 70185-4

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: H&A

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: H&A — Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Walter Lanik for H&A of NY	1. Sign Elizabeth Henderson for H&A of NY	11/1/90 05:30
2. Sign Elizabeth Henderson for H&A of NY	2. Sign Margaret J. Cowan for H&A of N.Y.	11/1/90 5:35
3. Sign Margaret J. Cowan for H&A of N.Y.	3. Sign [illegible] for	11/1/90 8:40 AM

Sample(s) Received in Laboratory by [signature] 11/1/90 @ 08:40

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B254-S1 / #6-24	1-3' / 10/30/90 8:45	S	Total Pb, TCLP Pb, 8080 PCBs, TOC → Hold	✓				4
2	B254-S2 / #7-25	3-5' / 10/30/90 8:20	S	"	✓				4
3	B260-S1A / #8-26	1-3' / 10/30/90 11:00	S	"	✓				4
4	B260-S1B / #9-27	1-3' / 10/30/90 11:00	S	"	✓				4
5	BLK #3 / #10-28	/ 10/30/90 13:00	X	"	✓			✓	5, 10

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.	1 liter amber	
# of each				4	1					4	

Additional Analytes

Hold TOC analysis until notified by H&A

0163

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), Rinsate (X), ____ (Y)

FOIL205490

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4722
Client Project No. 70185-42

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: WL - H&A

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: H&A — Seal/Shipping #:

Sample(s) Relinquished by:		Received by:		Date/Time
1. Sign	Walter Lanik	1. Sign	Elizabeth Henderson	11/1/90
for	H&A of NY	for	H&A of NY	05:30 8.00
2. Sign	Elizabeth Henderson	2. Sign	Margaret J. Cowan	11/1/90
for	H&A of NY	for	H&A of N.Y.	8:35
3. Sign	Margaret J. Cowan	3. Sign	Mary Ann Rutano	11/1/90
for	H&A of N.Y.	for		8:40 AM

Sample(s) Received in Laboratory by: [signature] 11/1/90 @ 08:40

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B275-S1 / #11-21	1-3.5' / 10/31/90 14:45	S	Total Pb, TCLP Pb, 8080 PCBs, TOC → Hold	✓				4
2	B276-S1 / #12-30	1-3.5' / 10/31/90 15:15	S	"	✓				4
3	B272-S1 / #13-31	1-3' / 10/31/90 16:15	S	"	✓				4
4		/ / :							
5		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ glass	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4							

Additional Analytes: Hold TOC analysis until notified by H&A

0164

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y).

FOIL205491

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. B91/347
Client Project No. 70185-42

Sample Origination & Shipping Information

Collection Site Syracuse Site (H&A of N.Y.
Address 2001 Sys City N.Y. State Zip
Street
Collector Margaret J. Coogan (Print) Margaret J. Coogan (Signature)

Bottles Prepared by GTC Rec'd by Client
Bottles Shipped to Client via Client Seal/Shipping #
Samples Shipped via Client Seal/Shipping #

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Margaret J. Coogan	1. Sign Tom Hastings	1/24/91
for H&A of N.Y.	for GTC	17:23
2. Sign	2. Sign	/ /
for	for	:
3. Sign	3. Sign	/ /
for	for	:

Sample(s) Received in Laboratory by _____ 1/25/91 @ 08:00

	Client I.D.# / Lab#	Sample Location / Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	Field Dip B379-001		W	Total Metals	X			X	4
				Dissolved Metals		X	X		4
	001-012	1/24/91 : 1320		PCB'S		X	X		3 ; Gilly Z
2	Field Blank		W	Total Metals	X			X	4
				Dissolved Metals		X	X		4
	002-013	1/24/91 : 1000		PCB'S		X	X		3
3									
		/ / :							
4									
		/ / :							
5									
		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each			2	1							

Additional Analytes * Hold till original analyzed or extracted - limited Soluble metals = #12,13 volume via 1/25/91 - Sent info Quant to Lab [illegible]

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y).

FOIL205492

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4722
Client Project No. 70185-42

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: H&A

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: H&A — Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Walter Lanik	1. Sign Elizabeth Henderson	11/1/90
for H&A of NY	for H&A of NY	05:30 P.M.
2. Sign Elizabeth Henderson	2. Sign Margaret J. Coyne	11/1/90
for H&A of NY	for H&A of N.Y.	8:35
3. Sign Margaret J. Coyne	3. Sign [illegible]	11/1/90
for H&A of N.Y.	for	8:40 AM

Sample(s) Received in Laboratory by [illegible] 11/1/90 @ 08:40

	Client I.D.# / Lab#	Sample Location / Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B263-S1A / #14-32	1-3' / 10/30/90 12:45	S	Total Pb, TCLP Pb, 8080 PCBs, TOC → Hold	✓				6
2	B263-S1B / #15-33	1-3' / 10/30/90 1245	S	"	✓				4
3	B263-S2 / #16-34	3-5' / 10/30/90 12:50	S	"	✓				4
4	B264-S1 / #17-35	0.5-2.5' / 10/30/90 1345	S	"	✓				6
5	B266-S1 / #18-36	0.5-2.5' / 10/30/90 15:15	S	"	✓				4

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ Glass	8 oz. Plastic	16 oz. ~~Plastic~~ Glass	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4		4					

Additional Analytes: Hold TOC analysis until notified by H&A

0165

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y).

FOIL205493

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R90/4776
Client Project No. 70185-40

Sample Origination & Shipping Information

Collection Site: Syracuse site

Address: Street / City / State / Zip

Collector: Walter Lonik (Print) — Walter Lonik (Signature)

Bottles Prepared by: GTC — Rec'd by: H&A

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: H&A — Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Walter Lonik	1. Sign Elizabeth Henderson	11/6/90 11/6/90
for H&A of NY	for H&A of NY	05:30 6:00
2. Sign Elizabeth Henderson	2. Sign Margaret J. Conger	11/6/90
for H&A of NY	for H&A of NY	8:30
3. Sign Margaret J. Conger	3. Sign Mary Ann Rettano	11/6/90
for H&A of NY	for GTC	8:32 AM

Sample(s) Received in Laboratory by [signature] 11/6/90 @ 08:32

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	B282-S1	0-2'	S	Total Pb TCLP Pb	✓				4
	1:05 R90/4776-	11/5/90 15:30		8080 PCBs TOC -> Hold	✓				
2	B283-S1	0-2'	S	"	✓				4
	2:06 R90/4776-	11/5/90 15:45							
3	B284-S1	0-2'	S	"	✓				4
	3:07 R90/4776-	11/5/90 16:00							
4	B285-S1	0-4'	S	"	✓				4
	4:08 R90/4776-	11/5/90 16:15							
5									
		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. ~~Plastic~~ glass	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4							

Additional Analytes: Hold TOC analysis until notified by H&A 016F

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y)

FOIL205494

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. RD/4597
Client Project No. 70155-42

Sample Origination & Shipping Information

Collection Site: Syracuse Site

Address: Street / City / State / Zip

Collector: Walter Lanik (Print) — Walter Lanik (Signature)

Bottles Prepared by: GTC — Rec'd by: WL / H&A

Bottles Shipped to Client via: GTC — Seal/Shipping #:

Samples Shipped via: H&A — Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Walter Lanik	1. Sign Tom Hastings	11/9/90
for H&A of NY	for GTC	17:00
2. Sign	2. Sign	/ / :
for	for	
3. Sign	3. Sign	/ / :
for	for	

Sample(s) Received in Laboratory by: [illegible] 11/10/90 @ 07:00

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	SDS-1-6	0-4 in.	S	Total Pb TCLP Pb	✓				4
	1-4	11/9/90 14:30		8080 PCBs TOC → Hold					
2	SDS-1-7	0-4 in.	S	"	✓				4
	2-5	11/9/90 14:20							
3	SDS-1-8	0-4 in.	S	"	✓				4
	3-6	11/9/90 14:10							
4									
		/ / :							
5									
		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt Glass	4 oz. ~~Plastic~~ glass	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each				4							

Additional Analytes

Hold TOC analysis untill notified by H&A

0167

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y)

FOIL205495

11/9/90

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

H&A FILE NO. 1 0 1 8 5 4
PROJECT Syracuse Site
H&A CONTACT Elizabeth Anderson

LABORATORY General Testing
ADDRESS
CONTACT

DELIVERY DATE 11-9-90
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS EH

H&A SAMPLE NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O & G	[illegible]	[illegible]	PCBS 8080	310.13	NO. OF CONTAINERS	COMMENTS (Special instructions, caution, etc.)	
B287-00	001-012	11-9-90	1050		WATER			✓				✓	✓	✓		4	R90/4880-001	012
B273-00	002-013		1210					✓				✓		✓		3	002	013
B277-00	003-014		1215					✓				✓		✓		3	003	014
B278-00	004-015		1315					✓				✓		✓		3	004	015
B279-00	005-016		1240					✓				✓		✓		3	005	016
B280-00	006-017		1320					✓				✓		✓		3	006	017
B281-00	007-018		1400					✓				✓		✓		3	007	018
B286-00	008-019		1225					✓				✓		✓		3	008	019
B290-00	009-020		1025					✓				✓	✓	✓	✓	5	009	020
BLANK	010-021		1000					✓				✓		✓		3	010	021
B277-00	011-022		1220					✓				✓		✓		3	Duplicate 011	022

I. Sampled and Relinquished by
Sign Margaret J. Corrigan
Print Margaret J. Corrigan
Firm HSA of N.Y.
Date 11-9-90 Time

I. Received by
Sign [illegible]
Print [illegible]
Firm General Testing
Date 11/9/90 Time 4:20 pm

II. Relinquished by
Sign
Print
Firm
Date Time

II. Received by
Sign
Print
Firm
Date Time

III. Relinquished by
Sign
Print
Firm
Date Time

III. Received by
Sign
Print
Firm
Date Time

IV. Relinquished by
Sign
Print
Firm
Date Time

IV. Received by
Sign
Print
Firm
Date Time

VOA Vial											LIQUID
Class Bottle								✓	✓	✓	LIQUID
Plastic Bottle			✓				✓				LIQUID
Preservative			A				HNO3	A	HNO3	A	LIQUID
Container Volume			8 OZ				1 QUART	1 LITER	1 LITER	1 LITER	LIQUID
VOA Vial											SOLID
Class Jar											SOLID
Plastic Jar											SOLID
Preservative											SOLID
Container Volume											SOLID

Note: Sample bottles supplied by lab, unless indicated.

REMARKS: (Sample storage, nonstandard sample bottles)

Lab Recieved by: [illegible] 11/10 @ 0800

Evidence Samples tampered with? ☐ No ☐ Yes
If Yes, explain in remarks.

PRESERVATION KEY: A - Sample chilled, B - Filtered, C - Acidified with _____, D - NaOH, E - NaThiosulfate, F - Other

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R91/00364 Date: FEB. 12 1991

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Groundwaters

Received : 01/26/91 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-001	-002
Location:	8293-OW	Lab Blank
Date Collected:	01/25/91	--
Time Collected:	13:00	--
Date Extracted:	01/29/91	01/29/91
Date Analyzed:	01/30/91	01/30/91
PCB 1016	0.50 U	0.50 U
PCB 1221	0.50 U	0.50 U
PCB 1232	0.50 U	0.50 U
PCB 1242	0.50 U	0.50 U
PCB 1248	0.50 U	0.50 U
PCB 1254	0.50 U	0.50 U
PCB 1260	0.50 U	0.50 U
Surrogate Standard Recovery		
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	82%	75%
Dibutylchlorendate (Acceptance Limits: 24-150%)	96%	87%

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

FOIL205497

General Testing Corporation

A Full Service Environmental Laboratory

February 7, 1991

RECEIVED
MAR 12 1991
H & A of New York

Ms. Elizabeth Henderson
H & A of NY
189 North Water Street
Rochester, New York 14604

Re: Syracuse TOC corrected copy

Dear Ms. Henderson:

Enclosed please find the corrected copy page you had requested. As you will note the only change made was the description of the seven soils, received on November 27, 1990.

If you should have any further requests or questions, please contact me directly at (716) 454-3760.

Thank you once again for allowing General Testing the opportunity to provide these services.

Sincerely,

GENERAL TESTING CORP.

Tracey G. Hurtz
Client Representative

Enc.
TH:th
a:tocsyr

710 Exchange Street • Rochester, New York 14608 • (716) 454-3760 • Fax (716) 454-1245
85 Trinity Place • Hackensack, NJ 07601 • (201) 488-5242 • Fax (201) 488-6386
435 Lawrence Bell Drive • Amherst, NY 14221 • (716) 634-0454 • Fax (716) 634-9019

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R91/00347 Date: FEB. 13 1991

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Groundwaters

Received : 01/25/91 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-009	-010	-011	-012	-013	-014		
Location:	B279-OW	B291-OW	B292-OW	B279-OW Duplicate	Field Blank	Lab Blank		
Date Collected:	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91	--		
Time Collected:	13:15	13:30	13:45	13:20	10:00	--		
Date Extracted:						01/29/91		
Date Analyzed:						01/30/91		
PCB 1016						0.50 U		
PCB 1221						0.50 U		
PCB 1232						0.50 U		
PCB 1242						0.50 U		
PCB 1248						0.50 U		
PCB 1254						0.50 U		
PCB 1260						0.50 U		
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)						75%		
Dibutylchlorendate (Acceptance Limits: 24-150%)						87%		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R91/00347 Date: FEB. 13 1991

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Groundwaters

Received : 01/25/91 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B278-OW	B279-OW	B291-OW	B292-OW	B293-OW	B279-OW Duplicate	Field Blank	B278-OW
Date Collected:	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91
Time Collected:	13:00	13:15	13:30	13:45	14:00	13:20	10:00	13:00
Date Extracted:	01/29/91	01/29/91	01/29/91	01/29/91		01/29/91	01/29/91	
Date Analyzed:	01/30/91	01/30/91	01/30/91	01/30/91		01/30/91	01/30/91	
PCB 1016	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1221	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1232	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1242	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1248	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1254	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1260	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	65%	74%	80%	82%		61%	70%	
Dibutylchlorendate (Acceptance Limits: 24-150%)	67%	54%	77%	95%		55%	77%	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R91/347
Client Project No. 70185-42

Sample Origination & Shipping Information

Collection Site: Syracuse Site (H & H of N.Y.
Address: East Syr (Street) (City) N.Y (State) (Zip)
Collector: Margaret J. Corrigan (Print) Margaret J. Corrigan (Signature)

Bottles Prepared by: GTC-MC
Rec'd by: Client
Bottles Shipped to Client via: Client
Seal/Shipping #:
Samples Shipped via: Client
Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Margaret J. Corrigan	1. Sign Tom Hastings	1/24/91
for H & H of N.Y.	for GTC	17:23
2. Sign	2. Sign	/ /
for	for	:
3. Sign	3. Sign	/ /
for	for	:

Sample(s) Received in Laboratory by [signature] 1/25/91 @ 08:00

	Client I.D.# / Lab#	Sample Location / Date/Time	*	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	Field Dup B279-OW		W	Total Metals	X			X	4
				Dissolved Metals		X	X		4
	006-012	1/24/91 : 1320		PCB's *		X	X		3 (only 1)
2	Field Blank		W	Total Metals	X			X	4
				Dissolved Metals		X	X		4
	007-013	1/24/91 : 1000		PCB's		X	X		3
3									
		/ / :							
4									
		/ / :							
5									
		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each			2	1							

Additional Analytes: * Hold till original analyzed or extracted - limited volume on 1/25/91 - sent info Quant to Lab [illegible]
Soluble metals = #12, 13

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

* Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), _____ (X), _____ (Y).

FOIL205501

General Testing Corporation

DATA AND QUALITY CONTROL QUALIFIERS

U - Indicates compound was analyzed but was not observed at a quantifiable concentration.

J - Indicates an estimated value due to failure of QA/QC requirements

J Qualifiers (used in conjunction with J and/or QC page or chronology)

S - Surrogate recoveries outside of control limits

St - Surrogate recoveries outside of control limits, analysis repeated, same results obtained, matrix interference suspected

r - Laboratory replicates outside of laboratory advisory limits

t - Matrix interference suspected

h - Holding time exceeded for analysis

p - EPA-approved protocol has been amended upon client request

M - Matrix spike and/or matrix spike duplicate outside control limits

Mt - same as M
ORGANIC PARAMETERS: Matrix interference suspected, Organic reference standard was acceptable.

INORGANIC PARAMETERS: Matrix interference suspected, Repeat analysis still unacceptable

Mr - INORGANICS PARAMETERS: Matrix interference suspected, repeat analysis not conducted due to holding time limitations

B - Indicates that the analyte was found in the associated laboratory or field blank

B Qualifiers (used in conjunction with B)

l - Contamination in lab or method blank

t - Contamination in trip blank

x - Contamination in two or more types of blanks (i.e. Lab or Method, Trip, Equipment, or Field Filtration Blank)

e - Contamination in equipment blank

f - Contamination in field filtration blank

d - Results multiplied by dilution factor

MISCELLANEOUS QC AND DATA QUALIFIERS

ND - Not Detectable

*+ - No limits currently established

D - Surrogate standard diluted out

V - Spiked recovery cannot be determined, sample value >4 times spike concentration

NC - Not Calculable

t - Surrogate Matrix Interference

NS - No Sample

** - See Attached Data

R - Sample re-analyzed outside of holding time

++ - Outside Laboratory acceptance limits (Blank Spikes, Ref. Spikes)

LE - Lab Error: No data available

NA - Not Analyzed

I - Insufficient sample to re-analyze

UP - Unable to perform analysis due to sample matrix

RC - Results confirmed via repeat analysis

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R91/00364 Date FEB. 12 1991

Client:

H & A of New York

Sample(s) Reference

Syracuse Groundwaters

Date Received: 01/26/91

Date Sample Taken: 01/25/91

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-001								
Location:	B293-OW								
Aluminum, Soluble	02/06/91								
Calcium, Soluble	01/31/91								
Iron, Soluble	01/31/91								
Lead, Sol. (Furnace)	02/01/91								
Potassium, Soluble	02/08/91								
PCB's	01/30/91								

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

PAGE OF

H&A FILE NO. 10 L 8 5 - 4 2
PROJECT Syracuse Project
H&A CONTACT Elizabeth Henderson

LABORATORY Advanced Environmental Service
ADDRESS 2158 Liberty Drive, Niagara Falls, NY 14304
CONTACT Dawn MaPasco

DELIVERY DATE 12-20-90
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS VRD

H&A SAMPLE NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O&G	CEC				NO. OF CONTAINERS	COMMENTS (Special Instructions, cautions, etc.)
B266-S1		10-30-90		0.5-2.5	SOIL							X				1	CATION EXCHANGE CAPACITY
B282-S1		11-5-90		0-2.0	SOIL							X				1	
B284-S1		11-5-90		0-2.0	SOIL							X				1	
B264-S1		10-30-90		0.5-2.5	SOIL							X				1	
B278-S1		11-1-90		0-2	SOIL							X				1	
TP201-J2		11-2-90	15:40	2.5-3	SOIL							X				1	
TP202-J1		11-2-90	16:10	2.5-3	SOIL							X				1	
B215-S1		10-25-90	13:35	1-3	SOIL							X				1	
B217-S1		10-25-90	15:30	1-3	SOIL							X				1	
B228-S1		10-25-90	10:45	0.5-1.5	SOIL							X				1	
																10	

	VOA Vial	Glass Bottle	Plastic Bottle	Preservative	Container Volume	VOA Vial	Glass Jar	Plastic Jar	Preservative	Container Volume
LIQUID										
SOLID							X			

Note: Sample bottles supplied by lab, unless indicated.

I. Sampled and Relinquished by
Sign Walter Lizak
Print Walter Lizak
Firm H&A of NY
Date 12-20-90 Time 1630

I. Received by
Sign Elizabeth D. Henderson
Print Elizabeth D. Henderson
Firm H&A of New York
Date 12-20-90 Time 16:30

II. Relinquished by
Sign
Print
Firm
Date Time

II. Received by
Sign
Print
Firm
Date Time

III. Relinquished by
Sign
Print
Firm
Date Time

III. Received by
Sign
Print
Firm
Date Time

IV. Relinquished by
Sign
Print
Firm
Date Time

IV. Received by
Sign
Print
Firm
Date Time

Evidence Samples Tampered with? ☐ No ☐ Yes
If Yes, explain [redacted] remarks.

PRESERVATION KEY: A Sample chilled, B Filtered, C Acidified [redacted] D - NaOH, E - NaThiosulfate [redacted] F - Other

REMARKS: (Sample storage, nonstandard sample bottles)

(1) Normal T.A.T. (21 Days) If results available sooner please provide.

(2) 10 Samples - CEC analyses for each.

FOR[redacted]04

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R91/00347 Date FEB. 13 1991

Client:

H & A of New York

Sample(s) Reference

Syracuse Groundwaters

Date Received: 01/25/91

Date Sample Taken: 01/24/91

LABORATORY CHRONICLE
DATE ANALYZED

Sample: Location:	-001 B278-OW	-002 B279-OW	-003 B291-OW	-004 B292-OW	-005 B293-OW	-006 B279-OW Duplicate	-007 Field Blank	-008 B278-OW	-009 B279-OW
Aluminum	02/06/91	02/06/91	02/06/91	02/06/91	02/06/91	02/06/91	02/06/91		
Aluminum, Soluble								02/06/91	02/06/91
Calcium, Total	01/31/91	02/07/91	01/31/91	01/31/91	01/31/91	02/07/91	01/31/91		
Calcium, Soluble								01/31/91	01/31/91
Iron, Total	01/31/91	01/31/91	01/31/91	01/31/91	01/31/91	01/31/91	01/31/91		
Iron, Soluble								01/31/91	01/31/91
Lead, Furnace	01/30/91	01/30/91	01/30/91	01/30/91	01/30/91	01/30/91	01/30/91		
Lead, Sol. (Furnace)								01/30/91	01/30/91
Potassium, Total	02/01/91	02/01/91	02/01/91	02/01/91	02/01/91	02/01/91	02/01/91		
Potassium, Soluble								02/03/91	02/01/91
PCB's	01/30/91	01/30/91	01/30/91	01/30/91		01/30/91	01/30/91		

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: INORGANICS

Client: H & A OF NEW YORK A.E.S. Job Code FEB

(All results are in meq/100g)

Analytical Parameter(s)	Method No.	Quant. Limits			
			AES Lab No. -	12102	12103
			Sample ID -	B217-S1	B228-S1
			Sample Date-	GRAB 10/26/90	GRAB 10/25/90
Cation Exchange Capacity	9081	0.54		18.1	12.3

Gary L. Amato
Technical Supervisor

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R91/00364 Date: FEB. 12 1991

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse Groundwaters

Received : 01/26/91 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-001							
Location:	8293-OW							
Date Collected:	01/25/91							
Time Collected:	13:00							
Aluminum, Soluble	0.10 U							
Calcium, Soluble	70.5							
Iron, Soluble	0.0500 U							
Lead, Sol. (Furnace)	0.0050 U							
Potassium, Soluble	3.10							
PCB's	**							

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

**See attached data

Laboratory Director

FOIL205507

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: INORGANICS

Client: H & A OF NEW YORK A.E.S. Job Code FEB

(All results are in meq/100g)

Analytical Parameter(s)	Method No.	Quant. Limits	AES Lab No. -	12094	12095	12096	12097
			Sample ID -	B266-S1	B282-S1	B284-S1	B264-S1
			Sample Date-	GRAB 10/30/90	GRAB 11/05/90	GRAB 11/05/90	GRAB 10/30/90
Cation Exchange Capacity	9081	0.54		6.98	6.00	6.06	10.2

Gary L. Amato
Technical Supervisor

FOIL205508

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R91/00347 Date: FEB. 13 1991

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Groundwaters

Received : 01/25/91 P.O. #:

ANALYTICAL RESULTS - mg/l

Sample:	-009	-010	-011	-012	-013			
Location:	B279-OW	B291-OW	B292-OW	B279-OW Duplicate	Field Blank			
Date Collected:	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91			
Time Collected:	13:15	13:30	13:45	13:20	10:00			
Aluminum								
Aluminum, Soluble	3.51	0.10 U	0.10 U	3.84	0.10 U			
Calcium, Total								
Calcium, Soluble	25.5	94.1	65.3	27.6	0.500 U			
Iron, Total								
Iron, Soluble	8.75	0.076	0.109	9.48	0.051			
Lead, Furnace								
Lead, Sol. (Furnace)	0.0142	0.0050 U	0.0050 U	0.0197	0.0050 U			
Potassium, Total								
Potassium, Soluble	4.13	1.71	2.32	5.00	0.250 U			
PCB's								

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/04990 Date DEC. 6 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse-TOC

Date Received: 11/16/90

Date Sample Taken: 10/25/90

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-001	-002	-003						
Location:	B215-S1 1-3'	B217-S1 1-3'	B228-S1 0.5-1.5'						
Total Organic Carbons	11/30/90	11/30/90	11/30/90						

General Testing Corporation

A Full Service Environmental Laboratory

RECEIVED
FEB 19 1991
H & A of New York

FEB. 13 1991

Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Re: Syracuse Groundwaters

Dear Ms. Elizabeth Henderson

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 02/08/91 per a Facsimile Transmittal with Tracey G. Hurtz. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Tracey G. Hurtz

Tracey G. Hurtz
Client Representative

aa

Enc.

710 Exchange Street • Rochester, New York 14608 • (716) 454-3760 • Fax (716) 454-1245
85 Trinity Place • Hackensack, NJ 07601 • (201) 488-5242 • Fax (201) 488-6386
435 Lawrence Bell Drive • Amherst, NY 14221 • (716) 634-0454 • Fax (716) 634-9019

AES INORGANICS DEPARTMENT TRACEABILITY
JOB CODE: FEB

Technician Signature	AES Sample #	Method	Date of Analysis
[illegible]	12094-103	SW846/9081	1-4-90

General Testing Corporation

DATA AND QUALITY CONTROL QUALIFIERS

U - Indicates compound was analyzed but was not observed at a quantifiable concentration.

J - Indicates an estimated value due to failure of QA/QC requirements

J Qualifiers (used in conjunction with J and/or QC page or chronology)

S - Surrogate recoveries outside of control limits

St - Surrogate recoveries outside of control limits, analysis repeated, same results obtained, matrix interference suspected

r - Laboratory replicates outside of laboratory advisory limits

t - Matrix interference suspected

h - Holding time exceeded for analysis

p - EPA-approved protocol has been amended upon client request

M - Matrix spike and/or matrix spike duplicate outside control limits

Mt - same as M
ORGANIC PARAMETERS: Matrix interference suspected, Organic reference standard was acceptable.

INORGANIC PARAMETERS: Matrix interference suspected, Repeat analysis still unacceptable

Mr - INORGANICS PARAMETERS: Matrix interference suspected, repeat analysis not conducted due to holding time limitations

B - Indicates that the analyte was found in the associated laboratory or field blank

B Qualifiers (used in conjunction with B)

l - Contamination in lab or method blank

t - Contamination in trip blank

x - Contamination in two or more types of blanks (i.e. Lab or Method, Trip, Equipment, or Field Filtration Blank)

e - Contamination in equipment blank

f - Contamination in field filtration blank

d - Results multiplied by dilution factor

MISCELLANEOUS QC AND DATA QUALIFIERS

ND - Not Detectable

*+ - No limits currently established

D - Surrogate standard diluted out

V - Spiked recovery cannot be determined, sample value >4 times spike concentration

NC - Not Calculable

t - Surrogate Matrix Interference

NS - No Sample

** - See Attached Data

R - Sample re-analyzed outside of holding time

↔ - Outside Laboratory acceptance limits (Blank Spikes, Ref. Spikes)

LE - Lab Error: No data available

NA - Not Analyzed

I - Insufficient sample to re-analyze

UP - Unable to perform analysis due to sample matrix

RC - Results confirmed via repeat analysis

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: INORGANICS

Client: H & A OF NEW YORK A.E.S. Job Code FEB

(All results are in meq/100g)

Analytical Parameter(s)	Method No.	Quant. Limits	AES Lab No. - / Sample ID -	12098 B278-S1	12099 TP201-J2	12100 TP202-J1	12101 B215-S1
			Sample Date-	GRAB 11/01/90	GRAB 11/02/90	GRAB 11/02/90	GRAB 10/25/90
Cation Exchange Capacity	9081	0.54		8.79	3.88	4.26	4.14

Gary L. Amato
Technical Supervisor

GENERAL TESTING CORPORATION/CHAIN-OF-CUSTODY RECORD

710 Exchange Street, Rochester, NY 14608 | 85 Trinity Place, Hackensack, NJ 07601 | 435 Lawrence Bell Drive, Amherst, NY 14221-7077

GTC Job No. R91/364
Client Project No. 70185-42

Sample Origination & Shipping Information

Collection Site: Syracuse Site (H and A of N.Y)

Address: 6223 Thompson Rd (Street) East Syracuse (City) N.Y (State) (Zip)

Collector: Margaret Corrigan (Print) Margaret Corrigan (Signature)

Bottles Prepared by: GTC-VO
Rec'd by: Client
Bottles Shipped to Client via: Client
Seal/Shipping #:
Samples Shipped via: Client
Seal/Shipping #:

Sample(s) Relinquished by:	Received by:	Date/Time
1. Sign Margaret J. Corrigan	1. Sign M. Chamberlain	112591
for HEA of NY	for	9:57
2. Sign	2. Sign	/ /
for	for	:
3. Sign	3. Sign	/ /
for	for	:

Sample(s) Received in Laboratory by: [signature] 1/26/91 @ 09:00

	Client I.D.# / Lab#	Sample Location / Date/Time	★	Analyte or Analyte Group(s) Required (see below for additional)	Sample Prep Preserved Y	Preserved N	Filtered Y	Filtered N	Bottle Set(s) (see below)
1	0293-GW		W	Solvable metals		X	X		1
		1/25/91 : 1300		PCB'S		X	X		3
2		/ / :							
3		/ / :							
4		/ / :							
5		/ / :							

Use Bottle No. for indicating type bottles used in each bottle set and fill in box with # of bottles used for each type.

Bottle No.	1	2	3	4	5	6	7	8	9	10	11
Bottle Type	40 ml Vial	Pint Glass	Qt. Glass	4 oz. Plastic	8 oz. Plastic	16 oz. Plastic	Qt. Pl.	Gal. Pl.	Steril. Pl.		
# of each			2	1							

Additional Analytes

Shaded area for Lab use only; bottom copy for client; maximum of 5 samples per page.

★ Source Codes: Monitoring Well (W), Soil (S), Treatment Plant (T), Drinking Water (D), Leachate (L), Hazardous Waste (H), River or Stream (R), Pond (P), Industrial Discharge (I), (X), (Y)

General Testing Corporation

A Full Service Environmental Laboratory

RECEIVED
FEB 19 1991
H & A of New York

FEB. 13 1991

Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Re: Syracuse Groundwaters

Dear Ms. Elizabeth Henderson

Enclosed are the results of the analysis requested. The Analytical Data was provided to you on 02/08/91 per a Facsimile Transmittal with Tracey G. Hurtz. All data has been reviewed prior to report submission.

Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Tracey G. Hurtz

Tracey G. Hurtz
Client Representative

aa

Enc.

710 Exchange Street • Rochester, New York 14608 • (716) 454-3760 • Fax (716) 454-1245
85 Trinity Place • Hackensack, NJ 07601 • (201) 488-5242 • Fax (201) 488-6386
435 Lawrence Bell Drive • Amherst, NY 14221 • (716) 634-0454 • Fax (716) 634-9019

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R91/00347 Date: FEB. 13 1991

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Groundwaters

Received : 01/25/91 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-009	-010	-011	-012	-013	-014		
Location:	B279-OW	B291-OW	B292-OW	B279-OW Duplicate	Field Blank	Lab Blank		
Date Collected:	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91	--		
Time Collected:	13:15	13:30	13:45	13:20	10:00	--		
Date Extracted:						01/29/91		
Date Analyzed:						01/30/91		
PCB 1016						0.50 U		
PCB 1221						0.50 U		
PCB 1232						0.50 U		
PCB 1242						0.50 U		
PCB 1248						0.50 U		
PCB 1254						0.50 U		
PCB 1260						0.50 U		
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)						75%		
Dibutylchlorendate (Acceptance Limits: 24-150%)						87%		

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

AES INORGANICS DEPARTMENT TRACEABILITY
JOB CODE: FEB

Technician Signature	AES Sample #	Method	Date of Analysis
[illegible]	12094-103	SW846/9081	1-4-90

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R91/00347 Date: FEB. 13 1991

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference

Syracuse Groundwaters

Received : 01/25/91 P.O. #:

ANALYSIS * BY EPA METHOD 8080 ANALYTICAL RESULTS - ug/l

Sample:	-001	-002	-003	-004	-005	-006	-007	-008
Location:	B278-OW	B279-OW	B291-OW	B292-OW	B293-OW	B279-OW Duplicate	Field Blank	B278-OW
Date Collected:	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91	01/24/91
Time Collected:	13:00	13:15	13:30	13:45	14:00	13:20	10:00	13:00
Date Extracted:	01/29/91	01/29/91	01/29/91	01/29/91		01/29/91	01/29/91	
Date Analyzed:	01/30/91	01/30/91	01/30/91	01/30/91		01/30/91	01/30/91	
PCB 1016	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1221	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1232	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1242	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1248	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1254	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
PCB 1260	0.50 U	0.50 U	0.50 U	0.50 U		0.50 U	0.50 U	
Surrogate Standard Recovery								
Tetrachloro-meta-xylene (Acceptance Limits: 31-141%)	65%	74%	80%	82%		61%	70%	
Dibutylchlorendate (Acceptance Limits: 24-150%)	67%	54%	77%	95%		55%	77%	

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: INORGANICS

Client: H & A OF NEW YORK A.E.S. Job Code FEB

(All results are in meq/100g)

Analytical Parameter(s)	Method No.	Quant. Limits					
			AES Lab No. -	12098	12099	12100	12101
			Sample ID -	B278-S1	TP201-J2	TP202-J1	B215-S1
			Sample Date-	GRAB 11/01/90	GRAB 11/02/90	GRAB 11/02/90	GRAB 10/25/90
Cation Exchange Capacity	9081	0.54		8.79	3.88	4.26	4.14

Gary L. Amato
Technical Supervisor

General Testing Corporation

DATA AND QUALITY CONTROL QUALIFIERS

U - Indicates compound was analyzed but was not observed at a quantifiable concentration.

J - Indicates an estimated value due to failure of QA/QC requirements

J Qualifiers (used in conjunction with J and/or QC page or chronology)

S - Surrogate recoveries outside of control limits

St - Surrogate recoveries outside of control limits, analysis repeated, same results obtained, matrix interference suspected

r - Laboratory replicates outside of laboratory advisory limits

t - Matrix interference suspected

h - Holding time exceeded for analysis

p - EPA-approved protocol has been amended upon client request

M - Matrix spike and/or matrix spike duplicate outside control limits

Mt - same as M
ORGANIC PARAMETERS: Matrix interference suspected, Organic reference standard was acceptable.

INORGANIC PARAMETERS: Matrix interference suspected, Repeat analysis still unacceptable

Mr - INORGANICS PARAMETERS: Matrix interference suspected, repeat analysis not conducted due to holding time limitations

B - Indicates that the analyte was found in the associated laboratory or field blank

B Qualifiers (used in conjunction with B)

l - Contamination in lab or method blank

t - Contamination in trip blank

x - Contamination in two or more types of blanks (i.e. Lab or Method, Trip, Equipment, or Field Filtration Blank)

e - Contamination in equipment blank

f - Contamination in field filtration blank

d - Results multiplied by dilution factor

MISCELLANEOUS QC AND DATA QUALIFIERS

ND - Not Detectable

*+ - No limits currently established

D - Surrogate standard diluted out

V - Spiked recovery cannot be determined, sample value >4 times spike concentration

NC - Not Calculable

t - Surrogate Matrix Interference

NS - No Sample

** - See Attached Data

R - Sample re-analyzed outside of holding time

↔ - Outside Laboratory acceptance limits (Blank Spikes, Ref. Spikes)

LE - Lab Error: No data available

NA - Not Analyzed

I - Insufficient sample to re-analyze

UP - Unable to perform analysis due to sample matrix

RC - Results confirmed via repeat analysis

ADVANCED
ENVIRONMENTAL SERVICES INC.

ANALYSIS OF TEN SAMPLES FOR CATION EXCHANGE CAPACITY

RECEIVED
JAN 18 1991
H & A of New York

Report Prepared For

H & A OF NEW YORK

Dawn T. Marasco
Customer Service Representative

Paul T. McMahon
Quality Control Officer

January 16, 1991
AES Report FEB

COMMITMENT
TO
HONESTY - QUALITY - SERVICE

H & A of New York
189 N. Water St.
Rochester, NY 14604

CHAIN OF CUSTODY RECORD

PAGE OF

H&A FILE NO. 10185-42
PROJECT Syracuse Project
H&A CONTACT Elizabeth Henderson

LABORATORY Advanced Environmental Service
ADDRESS 2156 Liberty Drive, Niagara Falls NY 14304
CONTACT Dawn Macarson

DELIVERY DATE 12-20-90
DATE FINAL REPORT DUE
PROJECT MANAGER'S INITIALS VRD

H&A SAMPLE NO.	LABORATORY SAMPLE NO.	SAMPLING DATE	SAMPLING TIME	SAMPLE DEPTH	SAMPLE TYPE	VOA	ABN	METALS	PEST/PCB	PET. ID	O & G	CEC				NO. OF CONTAINERS	COMMENTS (Special Instructions, cautions, etc.)
B266-S1		10-30-90		0.5-2.5	SOIL							X				1	CATION EXCHANGE CAPACITY
[redacted]282-S1		11-5-90		0-2.0	SOIL							X				1	
B284-S1		11-5-90		0-2.0	SOIL							X				1	
B264-S1		10-30-90		0.5-2.5	SOIL							X				1	
B278-S1		11-1-90		0-2	SOIL							X				1	
TP201-J2		11-2-90	15:40	2.5-3	SOIL							X				1	
P202-J1		11-2-90	16:10	2.5-3	SOIL							X				1	
B215-S1		10-25-90	13:30	1-3	SOIL							X				1	
B217-S1		10-25-90	15:30	1-3	SOIL							X				1	
B228-S1		10-25-90	10:45	0.5-1.5	SOIL							X				1	
																10	

I. Sampled and Relinquished by
Sign Walter Lanik
Print Walter Lanik
Firm H&A of NY
Date 12-20-90 Time 1630

I. Received by
Sign Elizabeth D Henderson
Print Elizabeth D. Henderson
Firm H&A of New York
Date 12-20-90 Time 16:30

II. Relinquished by
Sign
Print
Firm
Date Time

II. Received by
Sign
Print
Firm
Date Time

III. Relinquished by
Sign
Print
Firm
Date Time

III. Received by
Sign
Print
Firm
Date Time

IV. Relinquished by
Sign
Print
Firm
Date Time

IV. Received by
Sign
Print
Firm
Date Time

VOA Vial											LIQUID
Glass Bottle											
Plastic Bottle											
Preservative											
Container Volume											
VOA Vial											SOLID
Glass Jar							X				
Plastic Jar											
Preservative											
Container Volume											

Note: Sample bottles supplied by lab, unless indicated.

REMARKS: (Sample storage, nonstandard sample bottles)

① Normal T.A.T. (21 Days) If results available sooner please provide.

② 10 Samples - CEC analyses for each.

Evidence Samples tampered with? ☐ No ☐ Yes

If Yes, explain [redacted]marks.

PRESERVATION KEY: A Sample chilled. B Filtered. C Acidified - [redacted] D - NaOH. E - NaThiosulfate [redacted] F - Other

ADVANCED ENVIRONMENTAL SERVICES, INC.
LABORATORY REPORT

Type of Analysis: INORGANICS

Client: H & A OF NEW YORK A.E.S. Job Code FEB

(All results are in meq/100g)

Analytical Parameter(s)	Method No.	Quant. Limits	AES Lab No. -	12102	12103
			Sample ID -	B217-S1	B228-S1
			Sample Date-	GRAB 10/25/90	GRAB 10/25/90
Cation Exchange Capacity	9081	0.54		18.1	12.3

Gary L. Amato
Technical Supervisor

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04990 Date: DEC. 6 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse-TOC

Received : 11/16/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003				
Location:	B215-S1 1-3'	B217-S1 1-3'	B228-S1 0.5-1.5'				
Date Collected:	10/25/90	10/25/90	10/25/90				
Time Collected:	13:30	15:30	10:45				
Total Organic Carbons	1.47	2.38	1.43				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.

NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

FOIL205525

ADVANCED ENVIRONMENTAL

LABORATORY REPORT

Type of Analysis: ORGANICS

Client: H & A OF NEW YORK A.E.S. Job Code FEB

(All results are in meq/100g)

Analytical Parameter(s)	Method No.	Quant. Limits	AES Lab No. -	12094	12095	12096	12097
			Sample ID -	B266-S1	B282-S1	B284-S1	B264-S1
			Sample Date-	GRAB 10/30/90	GRAB 11/05/90	GRAB 11/05/90	GRAB 10/30/90
Cation Exchange Capacity	9081	0.54		6.98	6.00	6.06	10.2

Gary L. Amato
Technical Supervisor

FOIL205526

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04990 Date: DEC. 6 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:
Syracuse-TOC

Received : 11/16/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003
Location:	B215-S1 1-3'	B217-S1 1-3'	B228-S1 0.5-1.5'
Date Collected:	10/25/90	10/25/90	10/25/90
Time Collected:	13:30	15:30	10:45
Total Organic Carbons	1.47	2.38	1.43

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Pearson
Laboratory Director

FOIL205527

General Testing Corporation

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** - See Attached Data

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LE - Lab Error: No data available

NA - Not Analyzed

I - Insufficient sample to re-analyze

UP - Unable to perform analysis due to sample matrix

RC - Results confirmed via repeat analysis

General Testing Corporation

A Full Service Environmental Laboratory

RECEIVED
DEC 12 1990
H & A of New York

DEC. 10 1990

Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Re: Syracuse-TOC

Dear Ms. Elizabeth Henderson

Enclosed are the results of the analysis requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at 454-3760.

Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Tracey G. Hurtz

Tracey G. Hurtz
Client Representative

aa

Enc.

710 Exchange Street • Rochester, New York 14608 • (716) 454-3760 • Fax (716) 454-1245
85 Trinity Place • Hackensack, NJ 07601 • (201) 488-5242 • Fax (201) 488-6386
435 Lawrence Bell Drive • Amherst, NY 14221 • (716) 634-0454 • Fax (716) 634-9019

General Testing Corporation

DATA AND QUALITY CONTROL QUALIFIERS

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UP - Unable to perform analysis due to sample matrix

RC - Results confirmed via repeat analysis

General Testing Corporation

A Full Service Environmental Laboratory

February 7, 1991

RECEIVED
MAR 12 1991
H & A of New York

Ms. Elizabeth Henderson
H & A of NY
189 North Water Street
Rochester, New York 14604

Re: Syracuse TOC corrected copy

Dear Ms. Henderson:

Enclosed please find the corrected copy page you had requested. As you will note the only change made was the description of the seven soils, received on November 27, 1990.

If you should have any further requests or questions, please contact me directly at (716) 454-3760.

Thank you once again for allowing General Testing the opportunity to provide these services.

Sincerely,

GENERAL TESTING CORP.

Tracey G. Hurtz

Tracey G. Hurtz
Client Representative

Enc.
TH:th
a:tocsyr

710 Exchange Street • Rochester, New York 14608 • (716) 454-3760 • Fax (716) 454-1245
85 Trinity Place • Hackensack, NJ 07601 • (201) 488-5242 • Fax (201) 488-6386
435 Lawrence Bell Drive • Amherst, NY 14221 • (716) 634-0454 • Fax (716) 634-9019

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No. R90/05088 Date DEC. 6 1990

Client:

H & A of New York

Sample(s) Reference

Syracuse-TOC

Date Received: 11/27/90

Date Sample Taken: 11/02-09

LABORATORY CHRONICLE
DATE ANALYZED

Sample:	-001	-002	-003	-004	-005	-006	-007		
Location:	4763-6	4763-7	4776-1	4776-3	4887-1	4887-2	4887-3		
Total Organic Carbons	11/30/90	11/30/90	11/30/90	11/30/90	11/30/90	11/30/90	11/30/90		

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/05088 Date: FEB. 7 1991

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse-TOC

CORRECTED COPY

Received : 11/27/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003	-004	-005	-006	-007
Location:	TP201-J2 2.5-3'	TP202-J1 2.5-3'	B282-S1 0-2'	B284-S1 0-2'	SDS-1-6 0-4'	SDS-1-7 0-4'	SDS-1-8 0-4'
Date Collected:	11/02/90	11/02/90	11/05/90	11/05/90	11/09/90	11/09/90	11/09/90
Time Collected:	15:40	16:10	15:30	16:00	14:30	14:20	14:10
Total Organic Carbons	0.50 U	1.40	1.37	1.04	2.15	7.23	11.5

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael R. Ferry
Laboratory Director

THE FOLLOWING DOCUMENTS WERE OF POOR QUALITY

IMAGE DATA

FOIL205534

General Testing Corporation

A Full Service Environmental Laboratory

February 7, 1991

RECEIVED
MAR 12 1991
H & A of New York

Ms. Elizabeth Henderson
H & A of NY
189 North Water Street
Rochester, New York 14604

Re: Syracuse TOC corrected copy

Dear Ms. Henderson:

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Thank you once again for allowing General Testing the opportunity to provide these services.

Sincerely,

GENERAL TESTING CORP.

Tracey G. Hurtz

Tracey G. Hurtz
Client Representative

Enc.
TH:th
a:tocsyr

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General Testing Corporation

A Full Service Environmental Laboratory

RECEIVED
DEC 12 1990
H & A of New York

DEC. 10 1990

Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Re: Syracuse-TOC

Dear Ms. Elizabeth Henderson

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Thank you for letting us provide this service.

Sincerely,

GENERAL TESTING CORPORATION

Tracey G. Hurtz

Tracey G. Hurtz
Client Representative

aa

Enc.

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General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04990 Date: DEC. 6 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse-TOC

Received : 11/16/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003					
Location:	B215-S1	B217-S1	B228-S1					
	1-3'	1-3'	0.5-1.5'					
Date Collected:	10/25/90	10/25/90	10/25/90					
Time Collected:	13:30	15:30	10:45					
Total Organic Carbons	1.47	2.38	1.43					

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

FOIL205538

General Testing Corporation

A Full Service Environmental Laboratory

LABORATORY REPORT

Job No: R90/04990 Date: DEC. 6 1990

Client:
Ms. Elizabeth Henderson
H & A of New York
189 North Water Street
Rochester, NY 14604

Sample(s) Reference:

Syracuse-TOC

Received : 11/16/90 P.O. #:

ANALYTICAL UNITS - ug/g Wet Wt.

Sample:	-001	-002	-003				
Location:	B215-S1 1-3'	B217-S1 1-3'	B228-S1 0.5-1.5'				
Date Collected:	10/25/90	10/25/90	10/25/90				
Time Collected:	13:30	15:30	10:45				
Total Organic Carbons	1.47	2.38	1.43				

Unless otherwise noted, analytical methodology has been obtained from references as cited in 40 CFR, parts #136 & #261.
NY ID# in Rochester: 10145
NJ ID# in Rochester: 73331
NJ ID# in Hackensack: 02317
NY ID# in Hackensack: 10801

Michael K. Perry

Laboratory Director

FOIL205539

THE FOLLOWING DOCUMENTS WERE OF POOR QUALITY

IMAGE DATA

FOIL205540

FOIL205541

ADVANCED
ENVIRONMENTAL SERVICES INC.

ANALYSIS OF TEN SAMPLES FOR CATION EXCHANGE CAPACITY

RECEIVED
JAN 18 1991
H & A of New York

Report Prepared For

H & A OF NEW YORK

Dawn T. Marasco
Customer Service Representative

Paul T. McMahon
Quality Control Officer

January 16, 1991
AES Report FEB

COMMITMENT
TO
HONESTY - QUALITY - SERVICE